

# Calendar No. 114

116TH CONGRESS  
1ST SESSION

# S. 1790

[Report No. 116–48]

To authorize appropriations for fiscal year 2020 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.

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IN THE SENATE OF THE UNITED STATES

JUNE 11, 2019

Mr. INHOFE, from the Committee on Armed Services, reported the following original bill; which was read twice and placed on the calendar

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## A BILL

To authorize appropriations for fiscal year 2020 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*  
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “National Defense Au-  
5 thorization Act for Fiscal Year 2020”.

1 **SEC. 2. ORGANIZATION OF ACT INTO DIVISIONS; TABLE OF**  
 2 **CONTENTS.**

3 (a) DIVISIONS.—This Act is organized into four divi-  
 4 sions as follows:

5 (1) Division A—Department of Defense Au-  
 6 thorizations.

7 (2) Division B—Military Construction Author-  
 8 izations.

9 (3) Division C—Department of Energy Na-  
 10 tional Security Authorizations and Other Authoriza-  
 11 tions.

12 (4) Division D—Funding Tables.

13 (b) TABLE OF CONTENTS.—The table of contents for  
 14 this Act is as follows:

Sec. 1. Short title.

Sec. 2. Organization of Act into divisions; table of contents.

Sec. 3. Congressional defense committees.

Sec. 4. Budgetary effects of this Act.

DIVISION A—DEPARTMENT OF DEFENSE AUTHORIZATIONS

TITLE I—PROCUREMENT

Subtitle A—Authorization of Appropriations

Sec. 101. Authorization of appropriations.

Subtitle B—Army Programs

Sec. 111. Sense of Senate on Army's approach to Capability Drops 1 and 2 of the Distributed Common Ground System-Army program.

Sec. 112. Authority of the Secretary of the Army to waive certain limitations related to the Distributed Common Ground System-Army Increment 1.

Subtitle C—Navy Programs

Sec. 121. Modification of prohibition on availability of funds for Navy waterborne security barriers.

Sec. 122. Capabilities based assessment for naval vessels that carry fixed-wing aircraft.

- Sec. 123. Ford-class aircraft carrier cost limitation baselines.
- Sec. 124. Design and construction of amphibious transport dock designated LPD-31.
- Sec. 125. LHA Replacement Amphibious Assault Ship Program.
- Sec. 126. Limitation on availability of funds for the Littoral Combat Ship.
- Sec. 127. Limitation on the next new class of Navy large surface combatants.
- Sec. 128. Refueling and complex overhauls of the U.S.S. John C. Stennis and U.S.S. Harry S. Truman.
- Sec. 129. Report on carrier wing composition.

#### Subtitle D—Air Force Programs

- Sec. 141. Requirement to align Air Force fighter force structure with National Defense Strategy and reports.
- Sec. 142. Requirement to establish the use of an Agile DevOps software development solution as an alternative for Joint Strike Fighter Autonomous Logistics Information System.
- Sec. 143. Report on feasibility of multiyear contract for procurement of JASSM-ER missiles.
- Sec. 144. Air Force aggressor squadron modernization.
- Sec. 145. Air Force plan for Combat Rescue Helicopter fielding.
- Sec. 146. Military type certification for AT-6 and A-29 light attack experimentation aircraft.

#### Subtitle E—Defense-wide, Joint, and Multiservice Matters

- Sec. 151. Limitation on availability of funds for communications systems lacking certain resiliency features.
- Sec. 152. F-35 sustainment cost.
- Sec. 153. Economic order quantity contracting authority for F-35 Joint Strike Fighter program.
- Sec. 154. Repeal of tactical unmanned vehicle common data link requirement.

### TITLE II—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

#### Subtitle A—Authorization of Appropriations

- Sec. 201. Authorization of appropriations.

#### Subtitle B—Program Requirements, Restrictions, and Limitations

- Sec. 211. Development and acquisition strategy to procure secure, low probability of detection data link network capability.
- Sec. 212. Establishment of secure next-generation wireless network (5G) infrastructure for the Nevada Test and Training Range and base infrastructure.
- Sec. 213. Limitation and report on Indirect Fire Protection Capability Increment 2 enduring capability.
- Sec. 214. Electromagnetic spectrum sharing research and development program.
- Sec. 215. Sense of the Senate on the Advanced Battle Management System.
- Sec. 216. Modification of proof of concept commercialization program.
- Sec. 217. Modification of Defense quantum information science and technology research and development program.
- Sec. 218. Technology and National Security Fellowship.
- Sec. 219. Direct Air Capture and Blue Carbon Removal Technology Program.

Subtitle C—Reports and Other Matters

- Sec. 231. National security emerging biotechnologies research and development program.
- Sec. 232. Cyber science and technology activities roadmap and reports.
- Sec. 233. Requiring certain microelectronics products and services meet trusted supply chain and operational security standards.
- Sec. 234. Technical correction to Global Research Watch Program.
- Sec. 235. Additional technology areas for expedited access to technical talent.
- Sec. 236. Sense of the Senate and periodic briefings on the security and availability of fifth-generation (5G) wireless network technology and production.
- Sec. 237. Transfer of Combating Terrorism Technical Support Office.
- Sec. 238. Briefing on cooperative defense technology programs and risks of technology transfer to China or Russia.
- Sec. 239. Modification of authority for prizes for advanced technology achievements.
- Sec. 240. Use of funds for Strategic Environmental Research Program, Environmental Security Technical Certification Program, and Operational Energy Capability Improvement.
- Sec. 241. Funding for the Sea-Launched Cruise Missile—Nuclear analysis of alternatives.
- Sec. 242. Review and assessment pertaining to transition of Department of Defense-originated dual-use technology.

TITLE III—OPERATION AND MAINTENANCE

Subtitle A—Authorization of Appropriations

- Sec. 301. Authorization of appropriations.

Subtitle B—Energy and Environment

- Sec. 311. Use of operational energy cost savings of Department of Defense.
- Sec. 312. Use of proceeds from sales of electrical energy generated from geothermal resources.
- Sec. 313. Energy resilience programs and activities.
- Sec. 314. Native American Indian lands environmental mitigation program.
- Sec. 315. Reimbursement of Environmental Protection Agency for certain costs in connection with the Twin Cities Army Ammunition Plant, Minnesota.
- Sec. 316. Prohibition on use of perfluoroalkyl substances and polyfluoroalkyl substances for land-based applications of firefighting foam.
- Sec. 317. Transfer authority for funding of study and assessment on health implications of per- and polyfluoroalkyl substances contamination in drinking water by Agency for Toxic Substances and Disease Registry.
- Sec. 318. Cooperative agreements with States to address contamination by perfluoroalkyl and polyfluoroalkyl substances.
- Sec. 319. Modification of Department of Defense environmental restoration authorities to include Federal Government facilities used by National Guard.
- Sec. 320. Budgeting of Department of Defense relating to extreme weather.
- Sec. 321. Pilot program for availability of working-capital funds for increased combat capability through energy optimization.

- Sec. 322. Report on efforts to reduce high energy intensity at military installations.
- Sec. 323. Technical and grammatical corrections and repeal of obsolete provisions relating to energy.

#### Subtitle C—Logistics and Sustainment

- Sec. 331. Requirement for memoranda of understanding between the Air Force and the Navy regarding depot maintenance.
- Sec. 332. Modification to limitation on length of overseas forward deployment of naval vessels.

#### Subtitle D—Reports

- Sec. 341. Report on modernization of Joint Pacific Alaska Range Complex.

#### Subtitle E—Other Matters

- Sec. 351. Strategy to improve infrastructure of certain depots of the Department of Defense.
- Sec. 352. Limitation on use of funds regarding the basing of KC-46A aircraft outside the continental United States.
- Sec. 353. Prevention of encroachment on military training routes and military operations areas.
- Sec. 354. Expansion and enhancement of authorities on transfer and adoption of military animals.
- Sec. 355. Limitation on contracting relating to Defense Personal Property Program.
- Sec. 356. Prohibition on subjective upgrades by commanders of unit ratings in monthly readiness reporting on military units.
- Sec. 357. Extension of temporary installation reutilization authority for arsenals, depots, and plants.
- Sec. 358. Clarification of food ingredient requirements for food or beverages provided by the Department of Defense.
- Sec. 359. Technical correction to deadline for transition to Defense Readiness Reporting System Strategic.

### TITLE IV—MILITARY PERSONNEL AUTHORIZATIONS

#### Subtitle A—Active Forces

- Sec. 401. End strengths for active forces.

#### Subtitle B—Reserve Forces

- Sec. 411. End strengths for Selected Reserve.
- Sec. 412. End strengths for Reserves on active duty in support of the reserves.
- Sec. 413. End strengths for military technicians (dual status).
- Sec. 414. Maximum number of reserve personnel authorized to be on active duty for operational support.
- Sec. 415. Authorized strengths for Marine Corps Reserves on active duty.

#### Subtitle C—Authorization of Appropriations

- Sec. 421. Military personnel.

### TITLE V—MILITARY PERSONNEL POLICY

Subtitle A—Officer Personnel Policy

- Sec. 501. Repeal of codified specification of authorized strengths of certain commissioned officers on active duty.
- Sec. 502. Maker of original appointments in a regular or reserve component of commissioned officers previously subject to original appointment in other type of component.
- Sec. 503. Furnishing of adverse information on officers to promotion selection boards.
- Sec. 504. Limitation on number of officers recommendable for promotion by promotion selection boards.
- Sec. 505. Expansion of authority for continuation on active duty of officers in certain military specialties and career tracks.
- Sec. 506. Higher grade in retirement for officers following reopening of determination or certification of retired grade.
- Sec. 507. Availability on the Internet of certain information about officers serving in general or flag officer grades.

Subtitle B—Reserve Component Management

- Sec. 511. Repeal of requirement for review of certain Army Reserve officer unit vacancy promotions by commanders of associated active duty units.

Subtitle C—General Service Authorities

- Sec. 515. Modification of authorities on management of deployments of members of the Armed Forces and related unit operating and personnel tempo matters.
- Sec. 516. Repeal of requirement that parental leave be taken in one increment.
- Sec. 517. Digital engineering as a core competency of the Armed Forces.
- Sec. 518. Modification of notification on manning of afloat naval forces.
- Sec. 519. Report on expansion of the Close Airman Support team approach of the Air Force to the other Armed Forces.

Subtitle D—Military Justice and Related Matters

PART I—MATTERS RELATING TO INVESTIGATION, PROSECUTION, AND  
DEFENSE OF SEXUAL ASSAULT GENERALLY

- Sec. 521. Department of Defense-wide policy and military department-specific programs on reinvigoration of the prevention of sexual assault involving members of the Armed Forces.
- Sec. 522. Enactment and expansion of policy on withholding of initial disposition authority for certain offenses under the Uniform Code of Military Justice.
- Sec. 523. Training for Sexual Assault Initial Disposition Authorities on exercise of disposition authority for sexual assault and collateral offenses.
- Sec. 524. Expansion of responsibilities of commanders for victims of sexual assault committed by another member of the Armed Forces.
- Sec. 525. Training for commanders in the Armed Forces on their role in all stages of military justice in connection with sexual assault.
- Sec. 526. Notice to victims of alleged sexual assault of pendency of further administrative action following a determination not to refer to trial by court-martial.
- Sec. 527. Safe to report policy applicable across the Armed Forces.

- Sec. 528. Report on expansion of Air Force safe to report policy across the Armed Forces.
- Sec. 529. Proposal for separate punitive article in the Uniform Code of Military Justice on sexual harassment.
- Sec. 530. Treatment of information in Catch a Serial Offender Program for certain purposes.
- Sec. 531. Report on preservation of recourse to restricted report on sexual assault for victims of sexual assault following certain victim or third-party communications.
- Sec. 532. Authority for return of personal property to victims of sexual assault who file a Restricted Report before conclusion of related proceedings.
- Sec. 533. Extension of Defense Advisory Committee on Investigation, Prosecution, and Defense of Sexual Assault in the Armed Forces.
- Sec. 534. Defense Advisory Committee for the Prevention of Sexual Misconduct.
- Sec. 535. Independent reviews and assessments on race and ethnicity in the investigation, prosecution, and defense of sexual assault in the Armed Forces.
- Sec. 536. Report on mechanisms to enhance the integration and synchronization of activities of Special Victim Investigation and Prosecution personnel with activities of military criminal investigative organizations.
- Sec. 537. Comptroller General of the United States report on implementation by the Armed Forces of recent statutory requirements on sexual assault prevention and response in the military.

#### PART II—SPECIAL VICTIMS' COUNSEL MATTERS

- Sec. 541. Legal assistance by Special Victims' Counsel for victims of alleged domestic violence offenses.
- Sec. 542. Other Special Victims' Counsel matters.
- Sec. 543. Availability of Special Victims' Counsel at military installations.
- Sec. 544. Training for Special Victims' Counsel on civilian criminal justice matters in the States of the military installations to which assigned.

#### PART III—BOARDS FOR CORRECTION OF MILITARY RECORDS AND DISCHARGE REVIEW BOARD MATTERS

- Sec. 546. Repeal of 15-year statute of limitations on motions or requests for review of discharge or dismissal from the Armed Forces.
- Sec. 547. Reduction in required number of members of discharge review boards.
- Sec. 548. Enhancement of personnel on boards for the correction of military records and discharge review boards.
- Sec. 549. Inclusion of intimate partner violence and spousal abuse among supporting rationales for certain claims for corrections of military records and discharge review.
- Sec. 550. Advice and counsel of trauma experts in review by boards for correction of military records and discharge review boards of certain claims.
- Sec. 551. Training of members of boards for correction of military records and discharge review boards on sexual trauma, intimate partner violence, spousal abuse, and related matters.

- Sec. 552. Limitations and requirements in connection with separations for members of the Armed Forces who suffer from mental health conditions in connection with a sex-related, intimate partner violence-related, or spousal-abuse offense.
- Sec. 553. Liberal consideration of evidence in certain claims by boards for the correction of military records and discharge review boards.

#### PART IV—OTHER MILITARY JUSTICE MATTERS

- Sec. 555. Expansion of pre-referral matters reviewable by military judges and military magistrates in the interest of efficiency in military justice.
- Sec. 556. Policies and procedures on registration at military installations of civilian protective orders applicable to members of the Armed Forces assigned to such installations and certain other individuals.
- Sec. 557. Increase in number of digital forensic examiners for the military criminal investigative organizations.
- Sec. 558. Survey of members of the Armed Forces on their experiences with military investigations and military justice.
- Sec. 559. Public access to dockets, filings, and court records of courts-martial or other records of trial of the military justice system.
- Sec. 560. Pilot programs on defense investigators in the military justice system.
- Sec. 561. Report on military justice system involving alternative authority for determining whether to prefer or refer charges for felony offenses under the Uniform Code of Military Justice.
- Sec. 562. Report on standardization among the military departments in collection and presentation of information on matters within the military justice system.
- Sec. 563. Report on establishment of guardian ad litem program for certain military dependents who are a victim or witness of offenses under the Uniform Code of Military Justice involving abuse or exploitation.

#### Subtitle E—Member Education, Training, Transition, and Resilience

- Sec. 566. Consecutive service of service obligation in connection with payment of tuition for off-duty training or education for commissioned officers of the Armed Forces with any other service obligations.
- Sec. 567. Authority for detail of certain enlisted members of the Armed Forces as students at law schools.
- Sec. 568. Connections of members retiring or separating from the Armed Forces with community-based organizations and related entities.

#### Subtitle F—Defense Dependents' Education and Military Family Readiness Matters

#### PART I—DEFENSE DEPENDENTS' EDUCATION MATTERS

- Sec. 571. Continuation of authority to assist local educational agencies that benefit dependents of members of the Armed Forces and Department of Defense civilian employees.
- Sec. 572. Impact aid for children with severe disabilities.
- Sec. 573. Ri'katak Guest Student Program at United States Army Garrison — Kwajalein Atoll.

## PART II—MILITARY FAMILY READINESS MATTERS

- Sec. 576. Two-year extension of authority for reimbursement for State licensure and certification costs of spouses of members of the Armed Forces arising from relocation to another State.
- Sec. 577. Improvement of occupational license portability for military spouses through interstate compacts.
- Sec. 578. Modification of responsibility of the Office of Special Needs for individualized service plans for members of military families with special needs.
- Sec. 579. Clarifying technical amendment on direct hire authority for the Department of Defense for childcare services providers for Department child development centers.
- Sec. 580. Pilot program on information sharing between Department of Defense and designated relatives and friends of members of the Armed Forces regarding the experiences and challenges of military service.
- Sec. 581. Briefing on use of Family Advocacy Programs to address domestic violence.

## Subtitle G—Decorations and Awards

- Sec. 585. Authorization for award of the Medal of Honor to John J. Duffy for acts of valor in Vietnam.
- Sec. 586. Standardization of honorable service requirement for award of military decorations.
- Sec. 587. Authority to award or present a decoration not previously recommended in a timely fashion following a review requested by Congress.
- Sec. 588. Authority to make posthumous and honorary promotions and appointments following a review requested by Congress.

## Subtitle H—Other Matters

- Sec. 591. Military funeral honors matters.
- Sec. 592. Inclusion of homeschooled students in Junior Reserve Officers' Training Corps units.
- Sec. 593. Sense of Senate on the Junior Reserve Officers' Training Corps.

## TITLE VI—COMPENSATION AND OTHER PERSONNEL BENEFITS

## Subtitle A—Pay and Allowances

- Sec. 601. Expansion of eligibility for exceptional transitional compensation for dependents to dependents of current members.

## Subtitle B—Bonuses and Special and Incentive Pays

- Sec. 611. One-year extension of certain expiring bonus and special pay authorities.

## Subtitle C—Travel and Transportation Allowances

- Sec. 621. Extension of pilot program on a Government lodging program.
- Sec. 622. Reinvestment of travel refunds by the Department of Defense.

## Subtitle D—Disability Pay, Retired Pay, and Survivor Benefits

- Sec. 631. Contributions to Department of Defense Military Retirement Fund based on pay costs per Armed Force rather than on Armed Forces-wide basis.
- Sec. 632. Modification of authorities on eligibility for and replacement of gold star lapel buttons.

Subtitle E—Commissary and Non-Appropriated Fund Instrumentality  
Benefits and Operations

- Sec. 641. Defense resale system matters.
- Sec. 642. Treatment of fees on services provided as supplemental funds for commissary operations.
- Sec. 643. Procurement by commissary stores of certain locally sourced products.

TITLE VII—HEALTH CARE PROVISIONS

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- Sec. 701. Contraception coverage parity under the TRICARE program.
- Sec. 702. TRICARE payment options for retirees and their dependents.
- Sec. 703. Lead level screening and testing for children.
- Sec. 704. Provision of blood testing for firefighters of Department of Defense to determine exposure to perfluoroalkyl and polyfluoroalkyl substances.

Subtitle B—Health Care Administration

- Sec. 711. Modification of organization of military health system.
- Sec. 712. Support by military health system of medical requirements of combatant commands.
- Sec. 713. Tours of duty of commanders or directors of military treatment facilities.
- Sec. 714. Expansion of strategy to improve acquisition of managed care support contracts under TRICARE program.
- Sec. 715. Establishment of regional medical hubs to support combatant commands.
- Sec. 716. Monitoring of adverse event data on dietary supplement use by members of the Armed Forces.
- Sec. 717. Enhancement of recordkeeping with respect to exposure by members of the Armed Forces to certain occupational and environmental hazards while deployed overseas.

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- Sec. 721. Extension and clarification of authority for Joint Department of Defense-Department of Veterans Affairs Medical Facility Demonstration Fund.
- Sec. 722. Appointment of non-ex officio members of the Henry M. Jackson Foundation for the Advancement of Military Medicine.
- Sec. 723. Officers authorized to command Army dental units.
- Sec. 724. Establishment of Academic Health System in National Capital Region.
- Sec. 725. Provision of veterinary services by veterinary professionals of the Department of Defense in emergencies.
- Sec. 726. Five-year extension of authority to continue the DOD-VA Health Care Sharing Incentive Fund.

- Sec. 727. Pilot Program on civilian and military partnerships to enhance interoperability and medical surge capability and capacity of National Disaster Medical System.
- Sec. 728. Modification of requirements for longitudinal medical study on blast pressure exposure of members of the Armed Forces.

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- Sec. 802. Pilot program to use alpha contracting teams for complex requirements.
- Sec. 803. Modification of written approval requirement for task and delivery order single contract awards.
- Sec. 804. Extension of authority to acquire products and services produced in countries along a major route of supply to Afghanistan.
- Sec. 805. Modification of Director of Operational Test and Evaluation report.
- Sec. 806. Department of Defense use of fixed-price contracts.
- Sec. 807. Pilot program to accelerate contracting and pricing processes.
- Sec. 808. Pilot program to streamline decision-making processes for weapon systems.
- Sec. 809. Documentation of market research related to commercial item determinations.
- Sec. 810. Modification to small purchase threshold exception to sourcing requirements for certain articles.

Subtitle B—Provisions Relating to Major Defense Acquisition Programs

- Sec. 821. Naval vessel certification required before Milestone B approval.

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- Sec. 831. Modernization of acquisition processes to ensure integrity of industrial base.
- Sec. 832. Assessment of precision-guided missiles for reliance on foreign-made microelectronic components.
- Sec. 833. Mitigating risks related to foreign ownership, control, or influence of Department of Defense contractors or subcontractors.
- Sec. 834. Extension and revisions to Never Contract With the Enemy.

Subtitle D—Small Business Matters

- Sec. 841. Reauthorization and improvement of Department of Defense Mentor-Protégé Program.
- Sec. 842. Modification of justification and approval requirement for certain Department of Defense contracts.

Subtitle E—Provisions Related to Software-Driven Capabilities

- Sec. 851. Improved management of information technology and cyberspace investments.
- Sec. 852. Special pathways for rapid acquisition of software applications and upgrades.

Subtitle F—Other Matters

- Sec. 861. Notification of Navy procurement production disruptions.
- Sec. 862. Modification to acquisition authority of the Commander of the United States Cyber Command.
- Sec. 863. Prohibition on operation or procurement of foreign-made unmanned aircraft systems.
- Sec. 864. Prohibition on contracting with persons that have business operations with the Maduro regime.
- Sec. 865. Comptroller General of the United States report on Department of Defense efforts to combat human trafficking through procurement practices.

## TITLE IX—DEPARTMENT OF DEFENSE ORGANIZATION AND MANAGEMENT

### Subtitle A—Office of the Secretary of Defense and Related Matters

- 901. Headquarters activities of the Department of Defense matters.
- 902. Responsibility of Under Secretary of Defense for Acquisition and Sustainment for Procurement Technical Assistance Cooperative Agreement Program.
- 903. Return to Chief Information Officer of the Department of Defense of responsibility for business systems and related matters.
- 904. Senior Military Advisor for Cyber Policy and Deputy Principal Cyber Advisor.
- 905. Limitation on transfer of Strategic Capabilities Office.

### Subtitle B—Organization and Management of Other Department of Defense Offices and Elements

- 911. Assistant Secretaries of the military departments for Energy, Installations, and Environment.
- 912. Repeal of conditional designation of Explosive Ordnance Disposal Corps as a basic branch of the Army.

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- 921. Exclusion from limitations on personnel in the Office of the Secretary of Defense and Department of Defense headquarters of fellows appointed under the John S. McCain Defense Fellows Program.
- 922. Report on resources to implement the civilian casualty policy of the Department of Defense.

## TITLE X—GENERAL PROVISIONS

### Subtitle A—Financial Matters

- Sec. 1001. General transfer authority.
- Sec. 1002. Modification of required elements of annual reports on emergency and extraordinary expenses of the Department of Defense.
- Sec. 1003. Inclusion of military construction projects in annual reports on unfunded priorities of the Armed Forces and the combatant commands.
- Sec. 1004. Prohibition on delegation of responsibility for submittal to Congress of Out-Year Unconstrained Total Munitions Requirements and Out-Year Inventory numbers.

- Sec. 1005. Element in annual reports on the Financial Improvement and Audit Remediation Plan on activities with respect to classified programs.
- Sec. 1006. Modification of semiannual briefings on the consolidated corrective action plan of the Department of Defense for financial management information.
- Sec. 1007. Update of authorities and renaming of Department of Defense Acquisition Workforce Development Fund.

Subtitle B—Counterdrug Activities

- Sec. 1011. Modification of authority to support a unified counterdrug and counterterrorism campaign in Colombia.
- Sec. 1012. Two-year extension of authority for joint task forces to provide support to law enforcement agencies conducting counter-terrorism activities.

Subtitle C—Naval Vessels and Shipyards

- Sec. 1016. Modification of authority to purchase vessels using funds in National Defense Sealift Fund.
- Sec. 1017. Senior Technical Authority for each naval vessel class.
- Sec. 1018. Permanent authority for sustaining operational readiness of Littoral Combat Ships on extended deployment.

Subtitle D—Counterterrorism

- Sec. 1021. Extension of prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States.
- Sec. 1022. Extension of prohibition on use of funds to construct or modify facilities in the United States to house detainees transferred from United States Naval Station, Guantanamo Bay, Cuba.
- Sec. 1023. Extension of prohibition on use of funds for transfer or release of individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to certain countries.
- Sec. 1024. Extension of prohibition on use of funds to close or relinquish control of United States Naval Station, Guantanamo Bay, Cuba.
- Sec. 1025. Authority to transfer individuals detained at United States Naval Station, Guantanamo Bay, Cuba, to the United States temporarily for emergency or critical medical treatment.
- Sec. 1026. Chief Medical Officer at United States Naval Station, Guantanamo Bay, Cuba.

Subtitle E—Miscellaneous Authorities and Limitations

- Sec. 1031. Clarification of authority of military commissions under chapter 47A of title 10, United States Code, to punish contempt.
- Sec. 1032. Comprehensive Department of Defense policy on collective self-defense.
- Sec. 1033. Oversight of Department of Defense execute orders.
- Sec. 1034. Prohibition on ownership or trading of stocks in certain companies by Department of Defense officers and employees.
- Sec. 1035. Policy regarding the transition of data and applications to the cloud.
- Sec. 1036. Modernization of inspection authorities applicable to the National Guard and extension of inspection authority to the Chief of the National Guard Bureau.

- Sec. 1037. Enhancement of authorities on forfeiture of Federal benefits by the National Guard.
- Sec. 1038. Modernization of authorities on property and fiscal officers of the National Guard.
- Sec. 1039. Limitation on placement by the Under Secretary of Defense for Personnel and Readiness of work with federally funded research and development centers.
- Sec. 1040. Termination of requirement for Department of Defense facility access clearances for joint ventures composed of previously-cleared entities.
- Sec. 1041. Designation of Department of Defense Strategic Arctic Ports.
- Sec. 1042. Extension of National Security Commission on Artificial Intelligence.
- Sec. 1043. Authority to transfer funds for Bien Hoa dioxin cleanup.
- Sec. 1044. Limitation on use of funds to house children separated from parents.

#### Subtitle F—Studies and Reports

- Sec. 1051. Modification of annual reporting requirements on defense manpower.
- Sec. 1052. Report on Department of Defense efforts to implement a force planning process in support of implementation of the 2018 National Defense Strategy.
- Sec. 1053. Extension of annual reports on civilian casualties in connection with United States military operations.
- Sec. 1054. Report on joint force plan for implementation of strategies of the Department of Defense for the Arctic.
- Sec. 1055. Report on use of Northern Tier bases in implementation of Arctic strategy of the United States.
- Sec. 1056. Report on the Department of Defense plan for mass-casualty disaster response operations in the Arctic.
- Sec. 1057. Annual reports on approval of employment or compensation of retired general or flag officers by foreign governments for Emoluments Clause purposes.
- Sec. 1058. Transmittal to Congress of requests for assistance received by the Department of Defense from other departments.
- Sec. 1059. Semiannual report on Consolidated Adjudication Facility of the Defense Counterintelligence and Security Agency.
- Sec. 1060. Comptroller General of the United States report on post-government employment of former Department of Defense officials.

#### Subtitle G—Treatment of Contaminated Water Near Military Installations

- Sec. 1071. Short title.
- Sec. 1072. Definitions.
- Sec. 1073. Provision of water uncontaminated with perfluorooctanoic acid (PFOA) and perfluorooctane sulfonate (PFOS) for agricultural purposes.
- Sec. 1074. Acquisition of real property by Air Force.
- Sec. 1075. Remediation plan.

#### Subtitle H—Other Matters

- Sec. 1081. Revision to authorities relating to mail service for members of the Armed Forces and Department of Defense civilians overseas.

- Sec. 1082. Access to and use of military post offices by United States citizens employed overseas by the North Atlantic Treaty Organization who perform functions in support of military operations of the Armed Forces.
- Sec. 1083. Guarantee of residency for spouses of members of uniformed services.
- Sec. 1084. Extension of requirement for briefings on the national biodefense strategy.
- Sec. 1085. Extension of National Commission on Military Aviation Safety.

#### TITLE XI—CIVILIAN PERSONNEL MATTERS

- Sec. 1101. Modification of temporary assignments of Department of Defense employees to a private-sector organization.
- Sec. 1102. Modification of number of available appointments for certain agencies under personnel management authority to attract experts in science and engineering.
- Sec. 1103. One-year extension of temporary authority to grant allowances, benefits, and gratuities to civilian personnel on official duty in a combat zone.
- Sec. 1104. One-year extension of authority to waive annual limitation on premium pay and aggregate limitation on pay for Federal civilian employees working overseas.
- Sec. 1105. Reimbursement of Federal employees for Federal, State, and local income taxes incurred during travel, transportation, and relocation.

#### TITLE XII—MATTERS RELATING TO FOREIGN NATIONS

##### Subtitle A—Assistance and Training

- Sec. 1201. Extension of support of special operations for irregular warfare.
- Sec. 1202. Extension of authority for cross servicing agreements for loan of personnel protection and personnel survivability equipment in coalition operations.
- Sec. 1203. Two-year extension of program authority for Global Security Contingency Fund.
- Sec. 1204. Modification of reporting requirement for use of funds for security cooperation programs and activities.
- Sec. 1205. Institutional legal capacity building initiative for foreign defense forces.
- Sec. 1206. Department of Defense support for stabilization activities in national security interest of the United States.

##### Subtitle B—Matters Relating to Afghanistan and Pakistan

- Sec. 1211. Extension of authority to transfer defense articles and provide defense services to the military and security forces of Afghanistan.
- Sec. 1212. Afghanistan Security Forces Fund.
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- Sec. 1221. Modification of authority to provide assistance to vetted Syrian groups.
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- Sec. 1231. Prohibition on availability of funds relating to sovereignty of the Russian Federation over Crimea.
- Sec. 1232. Prohibition on use of funds for withdrawal of Armed Forces from Europe in the event of United States withdrawal from the North Atlantic Treaty.
- Sec. 1233. Extension of limitation on military cooperation between the United States and the Russian Federation.
- Sec. 1234. Modification and extension of Ukraine Security Assistance Initiative.
- Sec. 1235. Extension of authority for training for Eastern European national security forces in the course of multilateral exercises.
- Sec. 1236. Limitation on transfer of F-35 aircraft to the Republic of Turkey.
- Sec. 1237. Modifications of briefing, notification, and reporting requirements relating to non-compliance by the Russian Federation with its obligations under the INF Treaty.
- Sec. 1238. Extension and modification of security assistance for Baltic nations for joint program for interoperability and deterrence against aggression.
- Sec. 1239. Report on North Atlantic Treaty Organization Readiness Initiative.
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- Sec. 1241. Future years plans for European Deterrence Initiative.
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- Sec. 1244. Sense of Senate on the 70th anniversary of the North Atlantic Treaty Organization.
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- Sec. 1252. Expansion of Indo-Pacific Maritime Security Initiative.

- Sec. 1253. Modification of annual report on military and security developments involving the People's Republic of China.
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- Sec. 1260. Sense of Senate on enhanced cooperation with Pacific Island countries to establish open-source intelligence fusion centers in the Indo-Pacific region.
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- Sec. 1285. Modification of initiative to support protection of national security academic researchers from undue influence and other security threats.
- Sec. 1286. Independent assessment of human rights situation in Honduras.
- Sec. 1287. United States Central Command posture review.
- Sec. 1288. Reports on expenses incurred for in-flight refueling of Saudi coalition aircraft conducting missions relating to civil war in Yemen.
- Sec. 1289. Sense of Senate on security concerns with respect to leasing arrangements for the Port of Haifa in Israel.

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- Sec. 1606. Report on establishment of position of Under Secretary of the Air Force for Space.
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- Sec. 1633. Study on improving cyber career paths in the Navy.
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- Sec. 1635. Role of Chief Information Officer in improving enterprise-wide cybersecurity.
- Sec. 1636. Quarterly assessments of the readiness of cyber forces.
- Sec. 1637. Control and analysis of Department of Defense data stolen through cyberspace.
- Sec. 1638. Accreditation standards and processes for cybersecurity and information technology products and services.
- Sec. 1639. Extension of authorities for Cyberspace Solarium Commission.
- Sec. 1640. Modification of elements of assessment required for termination of dual-hat arrangement for Commander of the United States Cyber Command.
- Sec. 1641. Use of National Security Agency cybersecurity expertise to support acquisition of commercial cybersecurity products.
- Sec. 1642. Study on future cyber warfighting capabilities of Department of Defense.
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- Sec. 1646. Study to determine the optimal strategy for structuring and manning elements of the Joint Force Headquarters–Cyber organizations, Joint Mission Operations Centers, and Cyber Operations–Integrated Planning Elements.
- Sec. 1647. Cyber governance structures and Principal Cyber Advisors on military cyber force matters.
- Sec. 1648. Designation of test networks for testing and accreditation of cybersecurity products and services.
- Sec. 1649. Consortia of universities to advise Secretary of Defense on cybersecurity matters.

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- Sec. 1663. Conforming amendment to Council on Oversight of the National Leadership Command, Control, and Communications System.
- Sec. 1664. Prohibition on reduction of the intercontinental ballistic missiles of the United States.
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- Sec. 1674. Nonstandard acquisition processes of Missile Defense Agency.
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- Sec. 1676. Report on improving ground-based midcourse defense element of ballistic missile defense system.
- Sec. 1677. Sense of the Senate on recent Missile Defense Agency tests.
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- Sec. 2102. Family housing.
- Sec. 2103. Authorization of appropriations, Army.
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#### TITLE XXII—NAVY MILITARY CONSTRUCTION

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- Sec. 2301. Authorized Air Force construction and land acquisition projects.
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- Sec. 2305. Modification of authority to carry out certain fiscal year 2015 project.
- Sec. 2306. Modification of authority to carry out certain fiscal year 2016 project.
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- Sec. 2309. Modification of authority to carry out certain fiscal year 2019 projects.

#### TITLE XXIV—DEFENSE AGENCIES MILITARY CONSTRUCTION

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Sec. 2604. Authorized Air National Guard construction and land acquisition projects.

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Sec. 2823. Designation of Sumpter Smith Joint National Guard Base.

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- Sec. 3014. Consideration of history of landlord in contract renewal process for privatized military housing.
- Sec. 3015. Treatment of breach of contract for privatized military housing.
- Sec. 3016. Uniform code of basic standards for privatized military housing and plan to conduct inspections and assessments.
- Sec. 3017. Repeal of supplemental payments to lessors and requirement for use of funds in connection with the Military Housing Privatization Initiative.
- Sec. 3018. Standard for common credentials for health and environmental inspectors of privatized military housing.
- Sec. 3019. Improvement of privatized military housing.
- Sec. 3020. Access to maintenance work order system of landlords of privatized military housing.
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- Sec. 3031. Dispute resolution process for landlord-tenant disputes regarding privatized military housing and requests to withhold payments.
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- Sec. 3033. Access by tenants to historical maintenance information for privatized military housing.
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Sec. 3045. Withholding of incentive fees for landlords of privatized military housing for failure to remedy a health or environmental hazard.

Sec. 3046. Expansion of direct hire authority for Department of Defense for childcare services providers for Department child development centers to include direct hire authority for installation military housing office personnel.

Sec. 3047. Plan on establishment of Department of Defense jurisdiction over off-base privatized military housing.

Subtitle D—Other Housing Matters

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Sec. 3052. Satisfaction survey for tenants of military housing.

Sec. 3053. Information on legal services provided to members of the Armed Forces harmed by health or environmental hazards at military housing.

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Sec. 3055. Technical correction to certain payments for lessors of privatized military housing.

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DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY  
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TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY  
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Subtitle A—National Security Programs and Authorizations

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Sec. 3102. Defense environmental cleanup.

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Subtitle B—Program Authorizations, Restrictions, and Limitations

Sec. 3111. Technical corrections to National Nuclear Security Administration Act and Atomic Energy Defense Act.

Sec. 3112. National Nuclear Security Administration Personnel System.

Sec. 3113. Contracting, program management, scientific, engineering, and technical positions at National Nuclear Security Administration.

Sec. 3114. Prohibition on use of laboratory-directed research and development funds for general and administrative overhead costs.

Sec. 3115. Prohibition on use of funds for advanced naval nuclear fuel system based on low-enriched uranium.

Subtitle C—Plans and Reports

Sec. 3121. Estimation of costs of meeting defense environmental cleanup milestones required by consent orders.

Sec. 3122. Extension of suspension of certain assessments relating to nuclear weapons stockpile.

Sec. 3123. Repeal of requirement for review relating to enhanced procurement authority.

Sec. 3124. Determination of effect of treaty obligations with respect to producing tritium.

Sec. 3125. Assessment of high energy density physics.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

Sec. 3201. Authorization.

Sec. 3202. Improvement of management and organization of Defense Nuclear Facilities Safety Board.

Sec. 3203. Membership of Defense Nuclear Facilities Safety Board.

TITLE XXXV—MARITIME ADMINISTRATION

Sec. 3501. Maritime Administration.

DIVISION D—FUNDING TABLES

Sec. 4001. Authorization of amounts in funding tables.

TITLE XLI—PROCUREMENT

Sec. 4101. Procurement.

Sec. 4102. Procurement for overseas contingency operations.

TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUATION

Sec. 4201. Research, development, test, and evaluation.

Sec. 4202. Research, development, test, and evaluation for overseas contingency operations.

TITLE XLIII—OPERATION AND MAINTENANCE

Sec. 4301. Operation and maintenance.

Sec. 4302. Operation and maintenance for overseas contingency operations.

TITLE XLIV—MILITARY PERSONNEL

Sec. 4401. Military personnel.

Sec. 4402. Military personnel for overseas contingency operations.

TITLE XLV—OTHER AUTHORIZATIONS

Sec. 4501. Other authorizations.

Sec. 4502. Other authorizations for overseas contingency operations.

TITLE XLVI—MILITARY CONSTRUCTION

Sec. 4601. Military construction.

Sec. 4602. Military construction for overseas contingency operations.

TITLE XLVII—DEPARTMENT OF ENERGY NATIONAL SECURITY  
PROGRAMS

Sec. 4701. Department of Energy national security programs.

1 **SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.**

2 In this Act, the term “congressional defense commit-  
3 tees” has the meaning given that term in section  
4 101(a)(16) of title 10, United States Code.

5 **SEC. 4. BUDGETARY EFFECTS OF THIS ACT.**

6 The budgetary effects of this Act, for the purposes  
7 of complying with the Statutory Pay-As-You-Go Act of  
8 2010, shall be determined by reference to the latest state-  
9 ment titled “Budgetary Effects of PAYGO Legislation”  
10 for this Act, jointly submitted for printing in the Congres-  
11 sional Record by the Chairmen of the House and Senate  
12 Budget Committees, provided that such statement has  
13 been submitted prior to the vote on passage in the House  
14 acting first on the conference report or amendment be-  
15 tween the Houses.

16 **DIVISION A—DEPARTMENT OF**  
17 **DEFENSE AUTHORIZATIONS**  
18 **TITLE I—PROCUREMENT**  
19 **Subtitle A—Authorization of**  
20 **Appropriations**

21 **SEC. 101. AUTHORIZATION OF APPROPRIATIONS.**

22 Funds are hereby authorized to be appropriated for  
23 fiscal year 2020 for procurement for the Army, the Navy

1 and the Marine Corps, the Air Force, and Defense-wide  
2 activities, as specified in the funding table in section 4101.

3 **Subtitle B—Army Programs**

4 **SEC. 111. SENSE OF SENATE ON ARMY'S APPROACH TO CA-**  
5 **PABILITY DROPS 1 AND 2 OF THE DISTRIB-**  
6 **UTED COMMON GROUND SYSTEM-ARMY PRO-**  
7 **GRAM.**

8 It is the sense of the Senate that—

9 (1) the Senate approves of the approach of the  
10 Army to Capability Drops 1 and 2 of the Distrib-  
11 uted Common Ground System-Army program, which  
12 has been in compliance with section 2377 of title 10,  
13 United States Code; and

14 (2) the Senate encourages the Under Secretary  
15 of Defense for Acquisition and Sustainment and  
16 other military departments and commands in the  
17 Department of Defense to review the efforts of the  
18 Army with Capability Drops 1 and 2 to inform fu-  
19 uture decisions about how to integrate commercial  
20 technology into the Distributed Common Ground  
21 System Enterprise and other national security sys-  
22 tems.

1 **SEC. 112. AUTHORITY OF THE SECRETARY OF THE ARMY**  
2 **TO WAIVE CERTAIN LIMITATIONS RELATED**  
3 **TO THE DISTRIBUTED COMMON GROUND**  
4 **SYSTEM-ARMY INCREMENT 1.**

5 Section 113(d) of the National Defense Authorization  
6 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
7 2028) is amended by striking “Secretary of Defense” both  
8 places it appears and inserting “Secretary of the Army”.

9 **Subtitle C—Navy Programs**

10 **SEC. 121. MODIFICATION OF PROHIBITION ON AVAIL-**  
11 **ABILITY OF FUNDS FOR NAVY WATERBORNE**  
12 **SECURITY BARRIERS.**

13 Section 130 of the John S. McCain National Defense  
14 Authorization Act for Fiscal Year 2019 (Public Law 115–  
15 232) is amended—

16 (1) in subsection (a) by striking “for fiscal year  
17 2019 may be obligated or expended to procure leg-  
18 acy waterborne security barriers for Navy ports”  
19 and inserting “for fiscal year 2019 or fiscal year  
20 2020 may be obligated or expended to procure leg-  
21 acy waterborne security barriers for Navy ports, in-  
22 cluding as replacements for legacy barriers”; and

23 (2) by adding at the end the following new sub-  
24 section:

25 “(d) NOTIFICATION.—Not later than 15 days after  
26 an exception is made pursuant to subsection (c)(2), the

1 Secretary of the Navy shall submit a written notification  
2 to the congressional defense committees that includes—

3 “(1) the name and position of the government  
4 official who determined exigent circumstances exist;

5 “(2) a description of the exigent circumstances;  
6 and

7 “(3) a description of how waterborne security  
8 will be maintained until new waterborne security  
9 barriers are procured and installed.”.

10 **SEC. 122. CAPABILITIES BASED ASSESSMENT FOR NAVAL**  
11 **VESSELS THAT CARRY FIXED-WING AIR-**  
12 **CRAFT.**

13 (a) IN GENERAL.—Not later than 30 days after the  
14 date of the enactment of this Act, the Secretary of the  
15 Navy shall initiate a capabilities based assessment to begin  
16 the process of identifying requirements for the naval ves-  
17 sels that will carry fixed-wing aircraft following the ships  
18 designated CVN-81 and LHA-9.

19 (b) ELEMENTS.—The assessment shall—

20 (1) conform with the Joint Capabilities Integra-  
21 tion and Development System, including Chairman  
22 of the Joint Chiefs of Staff Instruction 5123.01H;  
23 and

24 (2) consider options for the vessels described  
25 under subsection (a) that would enable greater com-

1 monality and interoperability of naval aircraft em-  
 2 barked on such naval vessels, including aircraft ar-  
 3 resting gear and launch catapults.

4 (c) NOTIFICATION REQUIREMENT.—Not later than  
 5 15 days after initiating the assessment required under  
 6 subsection (a), the Secretary of the Navy shall notify the  
 7 congressional defense committees of such action and the  
 8 associated schedule for completing the assessment and  
 9 generating an Initial Capabilities Document.

10 **SEC. 123. FORD-CLASS AIRCRAFT CARRIER COST LIMITA-**  
 11 **TION BASELINES.**

12 (a) IN GENERAL.—Chapter 633 of title 10, United  
 13 States Code, is amended by adding at the end the fol-  
 14 lowing new section:

15 **“§ 8692. Ford-class aircraft carrier cost limitation**  
 16 **baselines**

17 “(a) LIMITATION.—The total amounts obligated or  
 18 expended from funds authorized to be appropriated or oth-  
 19 erwise made available for Shipbuilding and Conversion,  
 20 Navy, or for any other procurement account, may not ex-  
 21 ceed the following amounts for the following aircraft car-  
 22 riers:

23 “(1) \$13,027,000,000 for the construction of  
 24 the aircraft carrier designated CVN–78.

1           “(2) \$11,398,000,000 for the construction of  
2 the aircraft carrier designated CVN-79.

3           “(3) \$12,202,000,000 for the construction of  
4 the aircraft carrier designated CVN-80.

5           “(4) \$12,451,000,000 for the construction of  
6 the aircraft carrier designated CVN-81.

7           “(b) ADJUSTMENT OF LIMITATION AMOUNT.—The  
8 Secretary of the Navy may adjust an amount set forth  
9 in subsection (a) by the following:

10           “(1) The amounts of increases or decreases in  
11 costs attributable to economic inflation after Sep-  
12 tember 30, 2019.

13           “(2) The amounts of increases or decreases in  
14 costs attributable to compliance with changes in  
15 Federal, State, or local laws enacted after Sep-  
16 tember 30, 2019.

17           “(3) The amounts of outfitting costs and post-  
18 delivery costs incurred for that ship.

19           “(4) The amounts of increases or decreases in  
20 costs of that ship that are attributable to insertion  
21 of new technology into that ship, as compared to the  
22 technology baseline as it was defined prior to Octo-  
23 ber 1, 2019.

24           “(5) The amounts of increases or decreases to  
25 cost required to correct deficiencies that may affect

1 the safety of the ship and personnel or otherwise  
2 preclude the ship from safe operations and crew cer-  
3 tification.

4 “(6) With respect to the aircraft carrier des-  
5 igned as CVN-78, the amounts of increases or de-  
6 creases in costs of that ship that are attributable  
7 solely to an urgent and unforeseen requirement iden-  
8 tified as a result of the shipboard test program.

9 “(7) With respect to the aircraft carrier des-  
10 igned as CVN-79, the amounts of increases not  
11 exceeding \$100,000,000 if the Chief of Naval Oper-  
12 ations determines that achieving the amount set  
13 forth in subsection (a)(2) would result in unaccept-  
14 able reductions to the operational capability of the  
15 ship.

16 “(c) LIMITATION ON TECHNOLOGY INSERTION COST  
17 ADJUSTMENT.—The Secretary of the Navy may use the  
18 authority under paragraph (4) of subsection (b) to adjust  
19 the amount set forth in subsection (a) for a ship referred  
20 to in that subsection with respect to insertion of new tech-  
21 nology into that ship only if—

22 “(1) the Secretary determines, and certifies to  
23 the congressional defense committees, that insertion  
24 of the new technology would lower the life-cycle cost  
25 of the ship; or

1           “(2) the Secretary determines, and certifies to  
2           the congressional defense committees, that insertion  
3           of the new technology is required to meet an emerg-  
4           ing threat and the Secretary of Defense certifies to  
5           those committees that such threat poses grave harm  
6           to national security.

7           “(d) LIMITATION ON SHIPBOARD TEST PROGRAM  
8           COST ADJUSTMENT.—The Secretary of the Navy may use  
9           the authority under paragraph (6) of subsection (b) to ad-  
10          just the amount set forth in subsection (a) for the aircraft  
11          carrier designated CVN-78 for reasons relating to an ur-  
12          gent and unforeseen requirement identified as a result of  
13          the shipboard test program only if—

14                 “(1) the Secretary determines, and certifies to  
15                 the congressional defense committees, that such re-  
16                 quirement was not known before the date of the sub-  
17                 mittal to Congress of the budget for fiscal year 2020  
18                 (as submitted pursuant to section 1105 of title 31,  
19                 United States Code);

20                 “(2) the Secretary determines, and certifies to  
21                 the congressional defense committees, that waiting  
22                 on an action by Congress to raise the cost cap speci-  
23                 fied in subsection (a)(1) to account for such require-  
24                 ment will result in a delay in the date of initial oper-  
25                 ating capability of that ship; and

1           “(3) the Secretary submits to the congressional  
2           defense committees a report setting forth a descrip-  
3           tion of such requirement before the obligation of ad-  
4           ditional funds pursuant to such authority.

5           “(e) EXCLUSION OF BATTLE AND INTERIM SPARES  
6 FROM COST LIMITATION.—The Secretary of the Navy  
7 shall exclude from the determination of the amounts set  
8 forth in subsection (a), the costs of the following items:

9                   “(1) CVN-78 class battle spares.

10                   “(2) Interim spares.

11           “(f) WRITTEN NOTICE OF CHANGE IN AMOUNT.—  
12 The Secretary of the Navy shall submit to the congres-  
13 sional defense committees written notice of any change in  
14 the amount set forth in subsection (a) determined to be  
15 associated with a cost covered in subsection (b) not less  
16 than 30 days prior to making such change.”.

17           (b) CLERICAL AMENDMENT.—The table of sections  
18 at the beginning of such chapter is amended by inserting  
19 after the item relating to section 8691 the following new  
20 item:

“§ 8692. Ford-class aircraft carrier cost limitation baselines.”.

21           (c) REPEAL OF SUPERSEDED PROVISION.—Section  
22 122 of the John Warner National Defense Authorization  
23 Act for Fiscal Year 2007 (Public Law 109-364; 120 Stat.  
24 2104) is repealed.

1 **SEC. 124. DESIGN AND CONSTRUCTION OF AMPHIBIOUS**  
2 **TRANSPORT DOCK DESIGNATED LPD-31.**

3 (a) IN GENERAL.—The Secretary of the Navy may  
4 enter into a contract for the design and construction of  
5 the amphibious transport dock designated LPD-31 using  
6 amounts authorized to be appropriated for the Depart-  
7 ment of Defense for Shipbuilding and Conversion, Navy.

8 (b) USE OF INCREMENTAL FUNDING.—With respect  
9 to the contract entered into under subsection (a), the Sec-  
10 retary may use incremental funding to make payments  
11 under the contract with amounts authorized to be appro-  
12 priated in fiscal years 2019, 2020, and 2021.

13 (c) CONDITION FOR OUT-YEAR CONTRACT PAY-  
14 MENTS.—The contract entered into under subsection (a)  
15 shall provide that any obligation of the United States to  
16 make a payment under such contract for any fiscal year  
17 after fiscal year 2020 is subject to the availability of ap-  
18 propriations for that purpose for such fiscal year.

19 **SEC. 125. LHA REPLACEMENT AMPHIBIOUS ASSAULT SHIP**  
20 **PROGRAM.**

21 (a) AUTHORITY TO USE INCREMENTAL FUNDING.—  
22 The Secretary of the Navy may enter into and incremen-  
23 tally fund a contract for detail design and construction  
24 of the LHA replacement ship designated LHA 9 and, sub-  
25 ject to subsection (b), funds for payments under the con-  
26 tract may be provided from amounts authorized to be ap-

1 appropriated for the Department of Defense for Shipbuilding  
2 and Conversion, Navy, for fiscal years 2019 through 2025.

3 (b) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
4 **MENTS.**—A contract entered into under subsection (a)  
5 shall provide that any obligation of the United States to  
6 make a payment under the contract for any subsequent  
7 fiscal year is subject to the availability of appropriations  
8 for that purpose for such subsequent fiscal year.

9 (c) **REPEAL OF OBSOLETE AUTHORITY.**—Section  
10 125 of the John Warner National Defense Authorization  
11 Act for Fiscal Year 2007 (Public Law 109–364; 120 Stat.  
12 2106) is repealed.

13 **SEC. 126. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
14 **THE LITTORAL COMBAT SHIP.**

15 (a) **LIMITATION.**—None of the amounts authorized to  
16 be appropriated by this Act or otherwise made available  
17 for the Department of Defense for fiscal year 2020 may  
18 be used to exceed the total procurement quantity listed  
19 in revision five of the Littoral Combat Ship acquisition  
20 strategy unless the Under Secretary of Defense for Acqui-  
21 sition and Sustainment submits to the congressional de-  
22 fense committees the certification described in subsection  
23 (b).

24 (b) **CERTIFICATION.**—The certification described in  
25 this subsection is a certification by the Under Secretary

1 that awarding a contract for the procurement of a Littoral  
2 Combat Ship that exceeds the total procurement quantity  
3 listed in revision five of the Littoral Combat Ship acquisi-  
4 tion strategy—

5 (1) is in the national security interests of the  
6 United States;

7 (2) will not result in exceeding the low-rate ini-  
8 tial production quantity approved in the Littoral  
9 Combat Ship acquisition strategy in effect as of the  
10 date of the certification; and

11 (3) is necessary to maintain a full and open  
12 competition for the Guided Missile Frigate  
13 (FFG(X)) with a single source award in fiscal year  
14 2020.

15 (c) DEFINITION.—The term “revision five of the Lit-  
16 toral Combat Ship acquisition strategy” means the fifth  
17 revision of the Littoral Combat Ship acquisition strategy  
18 approved by the Under Secretary of Defense for Acquisi-  
19 tion and Sustainment on March 26, 2018.

20 **SEC. 127. LIMITATION ON THE NEXT NEW CLASS OF NAVY**  
21 **LARGE SURFACE COMBATANTS.**

22 (a) IN GENERAL.—Milestone B approval may not be  
23 granted for the next new class of Navy large surface com-  
24 batants unless the class of Navy large surface combatants  
25 incorporates prior to such approval—

1           (1) design changes identified during the full du-  
2           ration of the combat system ship qualification trials  
3           and operational test periods of the first Arleigh  
4           Burke-class destroyer in the Flight III configuration  
5           to complete such events; and

6           (2) final results of test programs of engineering  
7           development models or prototypes for critical sys-  
8           tems specified by the Senior Technical Authority  
9           pursuant to section 8669b of title 10, United States  
10          Code, as added by section 1017 of this Act, in their  
11          final form, fit, and function and in a realistic envi-  
12          ronment, which shall include a land-based engineer-  
13          ing site if the propulsion system will utilize inte-  
14          grated electric power technology, including electric  
15          drive propulsion.

16          (b) LIMITATION.—The Secretary of the Navy may  
17          not release a detail design or construction request for pro-  
18          posals or obligate funds from the Shipbuilding and Con-  
19          version, Navy account for the next new class of Navy large  
20          surface combatants until the class of Navy large surface  
21          combatants receives Milestone B approval and the mile-  
22          stone decision authority notifies the congressional defense  
23          committees, in writing, of the actions taken to comply with  
24          the requirements under subsection (a).

25          (c) DEFINITIONS.—In this section:

1           (1) The term “Milestone B approval” has the  
2 meaning given the term in section 2366(e)(7) of title  
3 10, United States Code.

4           (2) The term “milestone decision authority”  
5 means the official within the Department of Defense  
6 designated with the overall responsibility and au-  
7 thority for acquisition decisions for the program, in-  
8 cluding authority to approve entry of the program  
9 into the next phase of the acquisition process.

10          (3) The term “large surface combatants”  
11 means Navy surface ships that are designed pri-  
12 marily to engage in attacks against airborne, sur-  
13 face, subsurface, and shore targets, excluding frig-  
14 ates and littoral combat ships.

15 **SEC. 128. REFUELING AND COMPLEX OVERHAULS OF THE**  
16 **U.S.S. JOHN C. STENNIS AND U.S.S. HARRY S.**  
17 **TRUMAN.**

18          (a) REFUELING AND COMPLEX OVERHAUL.—The  
19 Secretary of the Navy shall carry out the nuclear refueling  
20 and complex overhaul of the U.S.S. John C. Stennis  
21 (CVN-74) and U.S.S. Harry S. Truman (CVN-75).

22          (b) USE OF INCREMENTAL FUNDING.—With respect  
23 to any contract entered into under subsection (a) for the  
24 nuclear refueling and complex overhauls of the U.S.S.  
25 John C. Stennis (CVN-74) and U.S.S. Harry S. Truman

1 (CVN-75), the Secretary may use incremental funding for  
2 a period not to exceed six years after advance procurement  
3 funds for such nuclear refueling and complex overhaul ef-  
4 fort are first obligated.

5 (c) **CONDITION FOR OUT-YEAR CONTRACT PAY-**  
6 **MENTS.**—Any contract entered into under subsection (a)  
7 shall provide that any obligation of the United States to  
8 make a payment under the contract for a fiscal year after  
9 fiscal year 2020 is subject to the availability of appropria-  
10 tions for that purpose for that later fiscal year.

11 **SEC. 129. REPORT ON CARRIER WING COMPOSITION.**

12 (a) **IN GENERAL.**—Not later than May 1, 2020, the  
13 Secretary of the Navy shall submit to the congressional  
14 defense committees a report on the optimal composition  
15 of the carrier air wing in 2030 and 2040, including alter-  
16 native force design concepts.

17 (b) **ELEMENTS.**—The report required under sub-  
18 section (a) shall include the following elements:

19 (1) Analysis and justification for the Navy's  
20 stated goal of a 50/50 mix of 4th and 5th generation  
21 aircraft for 2030.

22 (2) Analysis and justification for an optimal  
23 mix of carrier aircraft for 2040.

1           (3) A plan for incorporating unmanned aerial  
2           vehicles and associated communication capabilities to  
3           effectively implement the future force design.

4           (c) BRIEFING.—Not later than March 1, 2020, the  
5           Secretary of the Navy shall provide the congressional de-  
6           fense committees a briefing on the report required under  
7           subsection (a).

## 8           **Subtitle D—Air Force Programs**

### 9           **SEC. 141. REQUIREMENT TO ALIGN AIR FORCE FIGHTER** 10           **FORCE STRUCTURE WITH NATIONAL DE-** 11           **FENSE STRATEGY AND REPORTS.**

12           (a) REQUIRED SUBMISSION OF STRATEGY.—Not  
13           later than March 1, 2020, the Secretary of the Air Force  
14           shall submit to the congressional defense committees a  
15           fighter force structure acquisition strategy that is aligned  
16           with the results of the reports submitted under subtitle  
17           D of title I of the National Defense Authorization Act for  
18           Fiscal Year 2018 (Public Law 115–91) and the Air  
19           Force’s stated requirements to meet the National Defense  
20           Strategy.

21           (b) ALIGNMENT WITH STRATEGY.—The Secretary of  
22           the Air Force may not deviate from the strategy submitted  
23           under subsection (a) until—

24                   (1) the Secretary receives a waiver and jus-  
25                   tification from the Secretary of Defense; and

1           (2) 30 days after notifying the congressional  
2           defense committees of the proposed deviation.

3 **SEC. 142. REQUIREMENT TO ESTABLISH THE USE OF AN**  
4                   **AGILE DEVOPS SOFTWARE DEVELOPMENT**  
5                   **SOLUTION AS AN ALTERNATIVE FOR JOINT**  
6                   **STRIKE FIGHTER AUTONOMIC LOGISTICS IN-**  
7                   **FORMATION SYSTEM.**

8           (a) ESTABLISHMENT OF AN ALTERNATIVE AGILE  
9           DEVOPS SOFTWARE DEVELOPMENT PROGRAM.—The  
10          Secretary of Defense shall establish a software develop-  
11          ment activity using Agile DevOps to create an alternative  
12          solution for the Joint Strike Fighter Autonomic Logistics  
13          Information System (ALIS).

14          (b) COMPETITIVE ANALYSIS.—The Secretary of De-  
15          fense shall carry out a competitive analysis of the efforts  
16          between Autonomic Logistics Information System, Auto-  
17          nomic Logistics Information System—Next, and  
18          Madhatter, including with respect to transition opportuni-  
19          ties and timelines.

20          (c) BRIEFING.—Not later than September 30, 2020,  
21          the Secretary of Defense, in consultation with the Sec-  
22          retary of the Air Force, shall provide the congressional  
23          defense committees a briefing on the findings of the Sec-  
24          retary of Defense with respect to the competitive analysis  
25          carried out under subsection (b).

1 **SEC. 143. REPORT ON FEASIBILITY OF MULTIYEAR CON-**  
2 **TRACT FOR PROCUREMENT OF JASSM-ER**  
3 **MISSILES.**

4 (a) IN GENERAL.—Not later than March 31, 2020,  
5 the Secretary of the Air Force shall submit a report to  
6 the congressional defense committees assessing the feasi-  
7 bility of entering into a multiyear contract for procure-  
8 ment of JASSM–ER missiles starting in fiscal year 2022.

9 (b) ELEMENTS.—The report required under sub-  
10 section (a) shall include the following elements:

11 (1) An initial assessment of cost savings to the  
12 Air Force from a multiyear contract.

13 (2) An analysis of at least two different  
14 multiyear contract options that vary in either dura-  
15 tion or quantity, at least one of which assumes a  
16 maximum procurement of 550 missiles per year for  
17 5 years.

18 (3) An assessment of how a multiyear contract  
19 will impact the industrial base.

20 (4) An assessment of how a multiyear contract  
21 will impact the Long Range Anti-Ship Missile.

22 (5) An assessment of how a multiyear contract  
23 will impact the ability of the Air Force to develop  
24 additional capabilities for the JASSM–ER missile.

1 **SEC. 144. AIR FORCE AGGRESSOR SQUADRON MODERNIZA-**  
2 **TION.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that—

5 (1) it is critical that the Air Force has the ca-  
6 pability to train against an advanced air adversary  
7 in order to be prepared for conflicts against a mod-  
8 ern enemy force, and that in order to have this capa-  
9 bility, the Air Force must have access to an ad-  
10 vanced adversary force prior to United States adver-  
11 saries fielding a 5th-generation operational capa-  
12 bility; and

13 (2) the Air Force's plan to use low-rate initial  
14 production F-35As as aggressor aircraft reflects a  
15 recognition of the need to field a modernized aggressor  
16 fleet.

17 (b) REPORT.—

18 (1) IN GENERAL.—The Secretary of the Air  
19 Force may not transfer any low-rate initial produc-  
20 tion F-35 aircraft for use as aggressor aircraft until  
21 the Chief of Staff of the Air Force submits to the  
22 congressional defense committees a comprehensive  
23 plan and report on the strategy for modernizing its  
24 organic aggressor fleet.

25 (2) ELEMENTS.—The report required under  
26 paragraph (1) shall include the following elements:

1 (A) Potential locations for F-35A aggressor aircraft, including an analysis of installations that—

2 (i) have the size and availability of  
3 airspace necessary to meet flying operations requirements;

4 (ii) have sufficient capacity and availability of range space;

5 (iii) are capable of hosting advanced-threat training exercises; and

6 (iv) meet or require minimal addition to the environmental requirements associated with the basing action.

7 (B) An analysis of the potential cost and benefits of expanding aggressor squadrons currently operating 18 Primary Assigned Aircraft (PAA) to a level of 24 PAA each.

8 (C) An analysis of the cost and timelines associated with modernizing the current Air Force aggressor squadrons to include upgrading aircraft radar, infrared search-and-track systems, radar warning receiver, tactical datalink, threat-representative jamming pods, and other upgrades necessary to provide a realistic advanced adversary threat.

1 **SEC. 145. AIR FORCE PLAN FOR COMBAT RESCUE HELI-**  
2 **COPTER FIELDING.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-  
4 gress that, given delays to Operational Loss Replacement  
5 (OLR) program fielding and the on-time fielding of Com-  
6 bat Rescue Helicopter (CRH), the Air National Guard  
7 should retain additional HH–60G helicopters at Air Na-  
8 tional Guard locations to meet their recommended primary  
9 aircraft authorized (PAA) per the Air Force’s June 2018  
10 report on Air National Guard HH–60 requirements.

11 (b) REPORT ON FIELDING PLAN.—

12 (1) IN GENERAL.—Not later than 45 days after  
13 the date of the enactment of this Act, the Secretary  
14 of the Air Force shall submit to the congressional  
15 defense committees a report on its fielding plan for  
16 the CRH program.

17 (2) ELEMENTS.—The report required under  
18 paragraph (1) shall include the following elements:

19 (A) A description of the differences in ca-  
20 pabilities between the HH–60G, OLR, and  
21 CRH helicopters.

22 (B) A description of the costs and risks as-  
23 sociated with changing the CRH fielding plan  
24 to reduce or eliminate inventory shortfalls.

1           (C) A description of the measures for ac-  
2           celerating the program available within the cur-  
3           rent contract.

4           (D) A description of the operational risks  
5           and benefits associated with fielding the CRH  
6           to the active component first, including—

7                   (i) how the differing fielding plan may  
8                   affect deployment schedules;

9                   (ii) what capabilities active-component  
10                  units deploying with the CRH will have  
11                  that reserve component units deploying  
12                  with OLR will not; and

13                  (iii) an analysis of the potential costs  
14                  and benefits that could result from accel-  
15                  erating CRH fielding to all units through  
16                  additional funding in the future years de-  
17                  fense program.

18       (c) REPORT ON TRAINING PLAN.—

19           (1) IN GENERAL.—Not later than 45 days after  
20           the date of the enactment of this Act, the Secretary  
21           of the Air Force shall submit to the congressional  
22           defense committees a report on the plan to sustain  
23           training for initial-entry reserve component HH-  
24           60G pilots once the active component of the Air  
25           Force has received all of its CRH helicopters.

1           (2) ELEMENTS.—The report required under  
2 paragraph (1) shall include the following elements:

3           (A) Projected reserve component aircrew  
4 initial HH–60G/OLR qualification training re-  
5 quirements, by year.

6           (B) The number of legacy HH–60G/OLR  
7 helicopters required to continue providing initial  
8 HH–60G qualification training through the  
9 150th Special Operations Wing at Kirtland Air  
10 Force Base.

11          (C) The number of personnel required to  
12 continue providing initial HH–60G/OLR quali-  
13 fication training through the 150th Special Op-  
14 erations Wing at Kirtland Air Force Base.

15          (D) The number of flying hours required  
16 per pilot to perform “differences training” at  
17 home station for initial entry HH–60 pilots re-  
18 ceiving CRH training at Kirtland Air Force  
19 Base to become qualified in the HH–60G/OLR  
20 at their home station.

21          (E) The projected effect of using local fly-  
22 ing training hours at reserve component units  
23 on overall unit training readiness and ability to  
24 meet Ready Aircrew Program requirements.

1 **SEC. 146. MILITARY TYPE CERTIFICATION FOR AT-6 AND A-**  
2 **29 LIGHT ATTACK EXPERIMENTATION AIR-**  
3 **CRAFT.**

4 The Secretary of the Air Force shall conduct a mili-  
5 tary type certification for the AT-6 and A-29 light attack  
6 experimentation aircraft pursuant to the DoD Directive  
7 on Military Type Certificates, 5030.61.

8 **Subtitle E—Defense-wide, Joint,**  
9 **and Multiservice Matters**

10 **SEC. 151. LIMITATION ON AVAILABILITY OF FUNDS FOR**  
11 **COMMUNICATIONS SYSTEMS LACKING CER-**  
12 **TAIN RESILIENCY FEATURES.**

13 (a) IN GENERAL.—Except as provided under sub-  
14 section (b), none of the funds authorized to be appro-  
15 priated by this Act or otherwise made available for the  
16 Department of Defense for fiscal year 2020 may be used  
17 for the procurement of a current or future Department  
18 of Defense communication program of record unless the  
19 communications equipment—

20 (1) provides the ability to deny geolocation of a  
21 transmission that would allow enemy targeting of  
22 the force;

23 (2) provides the ability to securely communicate  
24 classified information in a jamming environment of  
25 like-echelon forces; and

1           (3) utilizes a waveform that is made available  
2           in the Department of Defense Waveform Informa-  
3           tion Repository.

4           (b) WAIVER.—The Secretary of a military depart-  
5           ment may waive the requirement under subsection (a) with  
6           respect to a communications system upon certifying to the  
7           congressional defense committees that the system will not  
8           require resiliency due to its expected use.

9           **SEC. 152. F-35 SUSTAINMENT COST.**

10          (a) QUARTERLY REPORT.—The Under Secretary of  
11          Defense for Acquisition and Sustainment shall include in  
12          the quarterly report required under section 155 of the  
13          John S. McCain National Defense Authorization Act for  
14          Fiscal Year 2019 (Public Law 115–232)—

15               (1) sustainment cost data related to the F–35  
16               program, including a comparison in itemized format  
17               of the cost of legacy aircraft and the cost of the F–  
18               35 program, based on a standardized set of criteria;  
19               and

20               (2) a progress report on the extent to which the  
21               goals developed pursuant to subsection (b) are being  
22               achieved.

23          (b) COST REDUCTION PLAN.—

24               (1) IN GENERAL.—The Under Secretary of De-  
25               fense for Acquisition and Sustainment shall develop

1 a plan for achieving significant reductions in the  
2 cost to operate and maintain the F-35 aircraft.

3 (2) ELEMENTS.—The plan required under  
4 paragraph (1) shall include the following elements:

5 (A) Specific changes in the management of  
6 operation and support (O&S) cost to engender  
7 continuous process improvement.

8 (B) Specific actions the Department will  
9 implement in the near term to reduce O&S cost.

10 (C) Concrete timelines for implementing  
11 the specific actions and process changes.

12 (3) REPORT.—Not later than 180 days after  
13 the date of the enactment of this Act, the Under  
14 Secretary shall submit to the congressional defense  
15 committees a report on the baseline plan for achiev-  
16 ing operation and support cost savings.

17 **SEC. 153. ECONOMIC ORDER QUANTITY CONTRACTING AU-**  
18 **THORITY FOR F-35 JOINT STRIKE FIGHTER**  
19 **PROGRAM.**

20 The Secretary of Defense is authorized to award  
21 multiyear contracts for the procurement of F-35 aircraft  
22 in economic order quantities for fiscal year 2021 (Lot 15)  
23 through fiscal year 2023 (Lot 17).

1 **SEC. 154. REPEAL OF TACTICAL UNMANNED VEHICLE COM-**  
2 **MON DATA LINK REQUIREMENT.**

3 Section 141 of the National Defense Authorization  
4 Act for Fiscal Year 2006 (Public Law 109–163; 119 Stat.  
5 3163) is hereby repealed.

6 **TITLE II—RESEARCH, DEVELOP-**  
7 **MENT, TEST, AND EVALUA-**  
8 **TION**

9 **Subtitle A—Authorization of**  
10 **Appropriations**

11 **SEC. 201. AUTHORIZATION OF APPROPRIATIONS.**

12 Funds are hereby authorized to be appropriated for  
13 fiscal year 2020 for the use of the Department of Defense  
14 for research, development, test, and evaluation, as speci-  
15 fied in the funding table in section 4201.

16 **Subtitle B—Program Require-**  
17 **ments, Restrictions, and Limita-**  
18 **tions**

19 **SEC. 211. DEVELOPMENT AND ACQUISITION STRATEGY TO**  
20 **PROCURE SECURE, LOW PROBABILITY OF DE-**  
21 **TECTION DATA LINK NETWORK CAPABILITY.**

22 (a) STRATEGY REQUIRED.—Not later than March 1,  
23 2020, the Chief of Staff of the Air Force and Chief of  
24 Naval Operations shall jointly submit to the congressional  
25 defense committees a joint development and acquisition  
26 strategy to procure a secure, low probability of detection

1 data link network capability, with the ability to effectively  
2 operate in hostile jamming environments while preserving  
3 the low observability characteristics of the relevant plat-  
4 forms, including both existing and planned platforms.

5 (b) NETWORK CHARACTERISTICS.—The data link  
6 network capability to be procured pursuant to the develop-  
7 ment and acquisition strategy submitted under subsection  
8 (a) shall—

9 (1) ensure that any network made with such ca-  
10 pability will be low risk and affordable, with minimal  
11 impact or change to existing host platforms and  
12 minimal overall integration costs;

13 (2) use a non-proprietary and open systems ap-  
14 proach compatible with the Rapid Capabilities Office  
15 Open Mission Systems initiative of the Air Force  
16 and the Future Airborne Capability Environment  
17 initiative of the Navy; and

18 (3) provide for an architecture to connect, with  
19 operationally relevant throughput and latency—

20 (A) fifth-generation combat aircraft;

21 (B) fifth-generation and fourth-generation  
22 combat aircraft;

23 (C) fifth-generation and fourth-generation  
24 combat aircraft and appropriate support air-  
25 craft and other network nodes for command,

1 control, communications, intelligence, surveil-  
 2 lance, and reconnaissance purposes; and

3 (D) fifth-generation and fourth-generation  
 4 combat aircraft and their associated network-  
 5 enabled precision weapons.

6 (c) LIMITATION.—Of the funds authorized to be ap-  
 7 propriated by this Act or otherwise made available for fis-  
 8 cal year 2020 for operation and maintenance for the Of-  
 9 fice of the Secretary of the Air Force and for operations  
 10 and maintenance for the Office of the Secretary of the  
 11 Navy, not more than 50 percent may be obligated or ex-  
 12 pended until the date that is 15 days after the date on  
 13 which the Chief of Staff of the Air Force and Chief of  
 14 Naval Operations submit the development and acquisition  
 15 strategy required by subsection (a).

16 **SEC. 212. ESTABLISHMENT OF SECURE NEXT-GENERATION**  
 17 **WIRELESS NETWORK (5G) INFRASTRUCTURE**  
 18 **FOR THE NEVADA TEST AND TRAINING**  
 19 **RANGE AND BASE INFRASTRUCTURE.**

20 (a) ESTABLISHMENT REQUIRED.—Not later than  
 21 one year after the date of the enactment of this Act, the  
 22 Secretary of Defense shall establish secure fifth-generation  
 23 wireless network components and capabilities at no fewer  
 24 than two Department of Defense installations in accord-  
 25 ance with this section.

1 (b) FIRST INSTALLATION.—

2 (1) LOCATION.—The Secretary shall establish  
3 components and capabilities under subsection (a) at  
4 the Nevada Test and Training Range, which shall  
5 serve as the Department’s Major Range and Test  
6 Facility Base (MRTFB) for fifth-generation wireless  
7 networking.

8 (2) OBJECTIVE.—The Secretary shall ensure  
9 that the establishment of components and capabili-  
10 ties under subsection (a) at the range described in  
11 paragraph (1) of this subsection will allow the De-  
12 partment to explore and demonstrate the utility of  
13 using fifth-generation wireless networking technology  
14 to enhance combat operations.

15 (3) PURPOSE.—The purpose of the establish-  
16 ment of components and capabilities under sub-  
17 section (a) at the range described in paragraph (1)  
18 of this subsection is to demonstrate the following:

19 (A) The potential military utility of high  
20 bandwidth, scalable, and low latency fifth-gen-  
21 eration wireless networking technology.

22 (B) Advanced security technology that is  
23 applicable to fifth-generation networks as well  
24 as legacy Department command and control  
25 networks.

1 (C) Secure interoperability with fixed and  
2 wireless systems (legacy and future systems).

3 (D) Enhancements such as spectrum and  
4 waveform diversity, frequency hopping and  
5 spreading, and beam forming for military re-  
6 quirements.

7 (E) Technology for dynamic network slic-  
8 ing for specific use cases and applications re-  
9 quiring varying levels of latency, scale, and  
10 throughput.

11 (F) Technology for dynamic spectrum  
12 sharing and network isolation.

13 (c) SECOND AND ADDITIONAL INSTALLATIONS.—

14 (1) LOCATION.—The location of the second and  
15 any additional installations for establishment of  
16 components and capabilities under subsection (a)  
17 shall be at such Department installation or installa-  
18 tions as the Secretary considers appropriate for the  
19 purpose set forth in paragraph (2) of this sub-  
20 section.

21 (2) PURPOSES.—The purpose of the second and  
22 any additional installations for establishment of  
23 components and capabilities under subsection (a) is  
24 to explore and demonstrate infrastructure implemen-  
25 tations of the following:

1 (A) Base infrastructure installation of high  
2 bandwidth, scalable, and low latency fifth-gen-  
3 eration wireless networking technology.

4 (B) Applications for secure fifth-generation  
5 wireless network capabilities for the Depart-  
6 ment, such as the following:

7 (i) Interactive augmented reality or  
8 synthetic training environments.

9 (ii) Internet of things devices.

10 (iii) Autonomous systems.

11 (iv) Advanced manufacturing through  
12 the following:

13 (I) Department-sponsored centers  
14 for manufacturing innovation (as de-  
15 fined in section 34(c) of the National  
16 Institute of Standards and Tech-  
17 nology Act (15 U.S.C. 278s(e))).

18 (II) Department research and de-  
19 velopment organizations.

20 (III) Manufacturers in the de-  
21 fense industrial base of the United  
22 States.

1 **SEC. 213. LIMITATION AND REPORT ON INDIRECT FIRE**  
2 **PROTECTION CAPABILITY INCREMENT 2 EN-**  
3 **DURING CAPABILITY.**

4 (a) **LIMITATION AND REPORT.**—None of the funds  
5 authorized to be appropriated by this Act or otherwise  
6 made available for fiscal year 2020 for the Army may be  
7 obligated or expended for research, development, test, and  
8 evaluation for the Indirect Fire Protection Capability In-  
9 crement 2 enduring capability until the Secretary of the  
10 Army submits to the congressional defense committees a  
11 report on the Indirect Fire Protection Capability Incre-  
12 ment 2 program that contains the following:

13 (1) An assessment of whether the requirements  
14 previously established for the program meet the an-  
15 ticipated threat at the time of planned initial oper-  
16 ating capability and fully operating capability.

17 (2) A list of candidate systems considered to  
18 meet the Indirect Fire Protection Capability Incre-  
19 ment 2 requirement, including those fielded or in de-  
20 velopment by the Army, the Missile Defense Agency,  
21 and other elements of the Department of Defense.

22 (3) An assessment of each candidate system's  
23 capability against representative threats.

24 (4) An assessment of other relevant specifica-  
25 tions of each candidate system, including cost of de-



1   tate electromagnetic spectrum sharing between fifth-gen-  
2   eration wireless networking technologies, Federal systems,  
3   and other non-Federal incumbent systems.

4       (b) ESTABLISHMENT OF TEST BEDS.—

5           (1) IN GENERAL.—Not later than 180 days  
6           after the date of the enactment of this Act, the Sec-  
7           retary, in coordination with the Administrator and  
8           the Commission, shall, as part of the program estab-  
9           lished under subsection (a), establish at least two  
10          test beds to demonstrate the potential for cohabita-  
11          tion between fifth-generation wireless networking  
12          technologies, other incumbent non-Federal systems,  
13          and Federal systems.

14          (2) CO-LOCATION OF TEST BEDS.—The test  
15          beds established under paragraph (1) may be co-lo-  
16          cated, if a single geographic location can provide a  
17          sufficient diversity of Federal systems. If not, test  
18          beds established under this subsection shall coordi-  
19          nate to share results and best practices identified in  
20          each location.

21       (c) DEVELOPMENT OF DEPARTMENT OF DEFENSE  
22   INTEGRATED SPECTRUM AUTOMATION ENTERPRISE  
23   STRATEGY.—

24           (1) IN GENERAL.—Not later than May 1, 2020,  
25           the Secretary and the Administrator of the National

1       Telecommunications and Information Administra-  
2       tion, in consultation with the Federal Communica-  
3       tions Commission, shall jointly propose an integrated  
4       spectrum automation enterprise strategy for the De-  
5       partment of Defense to address management of elec-  
6       tromagnetic spectrum, including both Federal and  
7       non-Federal spectrum that is shared by the Depart-  
8       ment of Defense or could be used for national secu-  
9       rity missions in the future, including on a shared  
10      basis.

11           (2) MATTERS ENCOMPASSED.—The strategy de-  
12      veloped under subparagraph (A) shall encompass  
13      cloud-based databases, artificial intelligence, system  
14      certification processes, public facing application pro-  
15      gramming interfaces and online tools, and electro-  
16      magnetic spectrum compatibility analyses for shar-  
17      ing of electromagnetic spectrum.

18           (d) PERIODIC BRIEFINGS.—Not later than 180 days  
19      after the date of the enactment of this Act and not less  
20      frequently than once every 180 days thereafter until the  
21      Secretary submits the report required by subsection (e),  
22      the Secretary, in consultation with the Administrator and  
23      the Commission, shall brief the appropriate committees of  
24      Congress on the progress of the test beds established  
25      under subsection (b).

1 (e) REPORT.—

2 (1) IN GENERAL.—Not later than October 1,  
3 2022, the Secretary, in consultation with the Admin-  
4 istrator and the Commission, shall submit to the ap-  
5 propriate committees of Congress a report on the re-  
6 sults of the test beds established under subsection  
7 (b).

8 (2) RECOMMENDATIONS.—The report sub-  
9 mitted under paragraph (1) shall include rec-  
10 ommendations to facilitate sharing frameworks in  
11 the bands of electromagnetic spectrum that are the  
12 subject of the test beds.

13 (f) APPROPRIATE COMMITTEES OF CONGRESS.—In  
14 this subsection, the term “appropriate committees of Con-  
15 gress” means—

16 (1) the Committee on Armed Services and the  
17 Committee on Commerce, Science, and Transpor-  
18 tation of the Senate; and

19 (2) the Committee on Armed Services and the  
20 Committee on Energy and Commerce of the House  
21 of Representatives.

22 **SEC. 215. SENSE OF THE SENATE ON THE ADVANCED BAT-**  
23 **TLE MANAGEMENT SYSTEM.**

24 It is the sense of the Senate that—

1           (1) the Senate supports the vision of the Air  
2 Force for the Advanced Battle Management System  
3 (ABMS) as a system of systems that can integrate  
4 air, space, and other systems to detect, track, target,  
5 and direct effects against threats in all domains;

6           (2) such a capability will be essential to the  
7 ability of the Air Force to operate effectively as part,  
8 and in support, of the Joint Force, especially in the  
9 highly-contested operating environments established  
10 by near-peer competitors;

11          (3) the Senate is concerned that the Air Force  
12 has not moved quickly enough over the past year to  
13 begin defining the requirements and maturing the  
14 technologies that will be essential for the Advanced  
15 Battle Management System, especially in light of the  
16 pending retirement of the Joint Surveillance and  
17 Target Attack Radar System (JSTARS) aircraft  
18 that the Advanced Battle Management System is  
19 conceived, in part, to replace;

20          (4) the Senate understands that the Air Force  
21 is moving deliberately to analyze alternative concepts  
22 for the Advanced Battle Management System and  
23 adopt an architectural approach to its design;

24          (5) the Advanced Battle Management System,  
25 as a multidomain system of systems, must have a

1 central command and control capability that can in-  
2 tegrate these systems into a unified warfighting ca-  
3 pability;

4 (6) emerging technologies, such as artificial in-  
5 telligence and automated sensor fusion, should be  
6 built into the command and control capability for  
7 the Advanced Battle Management System from the  
8 start;

9 (7) such technologies would improve the ability  
10 of the Advanced Battle Management System to sup-  
11 port human operators with—

12 (A) the rapid processing and fusion of  
13 multidomain sensor data;

14 (B) the highly-automated identification,  
15 classification, tracking, and targeting of threats  
16 in all domains;

17 (C) the creation of a real-time common op-  
18 erating picture from multidomain intelligence;  
19 and the ability to direct effects on the battle-  
20 field at machine-to-machine speeds from all of  
21 the systems comprising the Advanced Battle  
22 Management System; and

23 (8) for an effort as ambitious and complex as  
24 the Advanced Battle Management System, the Sen-  
25 ate encourages the Air Force to use existing acqui-

1       tion authorities to begin a rapid prototyping effort  
2       to refine the requirements and software-intensive  
3       technologies that will be integral to the command  
4       and control capability of the Advanced Battle Man-  
5       agement System.

6       **SEC. 216. MODIFICATION OF PROOF OF CONCEPT COMMERCIALIZATION PROGRAM.**  
7

8       (a) MAKING THE PROGRAM PERMANENT.—

9               (1) IN GENERAL.—Section 1603 of the Na-  
10       tional Defense Authorization Act for Fiscal Year  
11       2014 (Public Law 113–66; 10 U.S.C. 2359 note) is  
12       amended by striking subsection (g).

13              (2) CONFORMING AMENDMENTS.—Such section  
14       is further amended—

15              (A) in the section heading, by striking

16              “**PILOT**”;

17              (B) in subsection (a)—

18                  (i) by striking “PILOT”; and

19                  (ii) by striking “Pilot”; and

20              (C) by striking “pilot” each place it ap-  
21       pears.

22       (b) ADDITIONAL IMPROVEMENTS.—Such section, as  
23       amended by subsection (a), is further amended—

1 (1) in the section heading, by inserting “**OF**  
2 **DUAL-USE TECHNOLOGY**” after “**COMMER-**  
3 **CIALIZATION**”;

4 (2) in subsection (a)—

5 (A) by inserting “of Dual-Use Technology”  
6 before “Program”; and

7 (B) by inserting “with a focus on priority  
8 defense technology areas that attract public and  
9 private sector funding, as well as private sector  
10 investment capital, including from venture cap-  
11 ital firms in the United States,” before “in ac-  
12 cordance”;

13 (3) in subsection (c)(4)(A)(iv), by inserting “,  
14 which may include access to venture capital” after  
15 “award”;

16 (4) by striking subsection (d);

17 (5) by redesignating subsection (e) as sub-  
18 section (d);

19 (6) by striking subsection (f); and

20 (7) by adding at the end the following new sub-  
21 section (e):

22 “(e) **AUTHORITIES.**—In carrying out this section, the  
23 Secretary may use the following authorities:

1           “(1) Section 1599g of title 10 of the United  
2 States Code, relating to public-private talent ex-  
3 changes.

4           “(2) Section 2368 of such title, relating to Cen-  
5 ters for Science, Technology, and Engineering Part-  
6 nerships.

7           “(3) Section 2374a of such title, relating to  
8 prizes for advanced technology achievements.

9           “(4) Section 2474 of such title, relating to Cen-  
10 ters of Industrial and Technical Excellence.

11           “(5) Section 2521 of such title, relating to the  
12 Manufacturing Technology Program.

13           “(6) Section 225 of the National Defense Au-  
14 thorization Act for Fiscal Year 2018 (Public Law  
15 115–91; 10 U.S.C. 2359 note).

16           “(7) Section 1711 of such Act (Public Law  
17 115–91; 10 U.S.C. 2505 note), relating to a pilot  
18 program on strengthening manufacturing in the de-  
19 fense industrial base.

20           “(8) Section 12 of the Stevenson-Wydler Tech-  
21 nology Innovation Act of 1980 (15 U.S.C. 3710a)  
22 and section 6305 of title 31, United States Code, re-  
23 lating to cooperative research and development  
24 agreements.”.

1 **SEC. 217. MODIFICATION OF DEFENSE QUANTUM INFORMA-**  
2 **TION SCIENCE AND TECHNOLOGY RESEARCH**  
3 **AND DEVELOPMENT PROGRAM.**

4 Section 234 of the John S. McCain National Defense  
5 Authorization Act for Fiscal Year 2019 (Public Law 115–  
6 232) is amended—

7 (1) in subsection (b)—

8 (A) in paragraph (2)—

9 (i) by inserting “and international”  
10 after “interagency”; and

11 (ii) by striking “private sector” insert-  
12 ing “private-sector and international”; and

13 (B) in paragraph (6), by inserting “, work-  
14 force,” after “including facilities”;

15 (2) in subsection (c)—

16 (A) in paragraph (2), by striking  
17 “sciences;” and inserting the following:  
18 “sciences, including through coordination  
19 with—

20 “(A) the National Quantum Coordination  
21 Office;

22 “(B) the National Science and Technology  
23 Council Quantum Information Science Sub-  
24 committee;

25 “(C) other Federal agencies;

1           “(D) other elements and offices of the De-  
2           partment of Defense; and

3           “(E) appropriate private-sector organiza-  
4           tions;”;

5           (B) in paragraph (3), by striking “and” at  
6           the end;

7           (C) by redesignating paragraph (4) as  
8           paragraph (5); and

9           (D) by inserting after paragraph (3) the  
10          following new paragraph (4):

11          “(4) develop, in coordination with appropriate  
12          Federal entities, a taxonomy for quantum science ac-  
13          tivities and requirements for relevant technology and  
14          standards; and”;

15          (3) in subsection (d)(2)(D), by inserting “a  
16          roadmap and” after “including”.

17 **SEC. 218. TECHNOLOGY AND NATIONAL SECURITY FELLOW-**  
18 **SHIP.**

19          (a) FELLOWSHIP PROGRAM.—

20           (1) IN GENERAL.—Not later than 180 days  
21          after the date of the enactment of this Act, the Sec-  
22          retary of Defense, acting through the Under Sec-  
23          retary of Defense for Research and Engineering,  
24          shall establish a civilian fellowship program designed  
25          to place eligible individuals within the Department of

1 Defense and Congress to increase the number of na-  
2 tional security professionals with science, technology,  
3 engineering, and mathematics credentials employed  
4 by the Department and Congress.

5 (2) DESIGNATION.—The fellowship program es-  
6 tablished under paragraph (1) shall be known as the  
7 “Technology and National Security Fellowship” (in  
8 this section referred to as the “fellows program”).

9 (3) ASSIGNMENTS.—Each individual selected  
10 for participation in the fellows program shall be as-  
11 signed to a one year position within—

12 (A) the Department of Defense; or

13 (B) a congressional office with emphasis  
14 on Armed Forces and national security matters.

15 (4) PAY AND BENEFITS.—Each individual as-  
16 signed to a position under paragraph (3)—

17 (A) shall be compensated at a rate of basic  
18 pay that is equivalent to the rate of basic pay  
19 payable for a position at level 10 of the General  
20 Schedule; and

21 (B) shall be treated as an employee of the  
22 United States during the assignment.

23 (b) ELIGIBLE INDIVIDUALS.—For purposes of this  
24 section, and subject to subsection (e), an eligible individual  
25 is any individual who—

1 (1) is a citizen of the United States; and

2 (2) either—

3 (A) expects to be awarded an under-  
4 graduate or graduate degree that, as deter-  
5 mined by the Secretary, focuses on science,  
6 technology, engineering, or mathematics course  
7 work not later than 180 days after the date on  
8 which the individual submits an application for  
9 participation in the fellows program; or

10 (B) possesses an undergraduate or grad-  
11 uate degree that, as determined by the Sec-  
12 retary, focuses on science, technology, engineer-  
13 ing, or mathematics course work that was  
14 awarded not earlier than one year before the  
15 date on which the individual submits an appli-  
16 cation for participation in the fellows program.

17 (c) APPLICATION.—Each individual seeking to par-  
18 ticipate in the fellows program shall submit to the Sec-  
19 retary an application therefor at such time and in such  
20 manner as the Secretary shall specify.

21 (d) COORDINATION.—In carrying out this section, the  
22 Secretary may consider working through the following en-  
23 tities:

24 (1) The National Security Innovation Network.

1           (2) Other Department of Defense or public and  
2           private sector organizations, as determined appro-  
3           priate by the Secretary.

4           (e) MODIFICATIONS TO FELLOWS PROGRAM.—The  
5           Secretary may modify the terms and procedures of the fel-  
6           lows program in order to better achieve the goals of the  
7           program and to support workforce needs of the Depart-  
8           ment of Defense.

9           (f) CONSULTATION.—The Secretary may consult with  
10          the heads of the agencies, components, and other elements  
11          of the Department of Defense, Members and committees  
12          of Congress, and such institutions of higher education and  
13          private entities engaged in work on national security and  
14          emerging technologies as the Secretary considers appro-  
15          priate for purposes of the fellows program, including with  
16          respect to assignments in the fellows program.

17       **SEC. 219. DIRECT AIR CAPTURE AND BLUE CARBON RE-**  
18                               **MOVAL TECHNOLOGY PROGRAM.**

19          (a) PROGRAM REQUIRED.—

20               (1) IN GENERAL.—The Secretary of Defense, in  
21               coordination with the Secretary of Homeland Secu-  
22               rity, the Secretary of Energy, and the heads of such  
23               other Federal agencies as the Secretary of Defense  
24               considers appropriate, shall carry out a program on  
25               research, development, testing, evaluation, study,

1 and demonstration of technologies related to blue  
2 carbon capture and direct air capture.

3 (2) PROGRAM GOALS.—The goals of the pro-  
4 gram established under paragraph (1) are as follows:

5 (A) To develop technologies that capture  
6 carbon dioxide from seawater and the air to  
7 turn such carbon dioxide into clean fuels to en-  
8 hance fuel and energy security.

9 (B) To develop and demonstrate tech-  
10 nologies that capture carbon dioxide from sea-  
11 water and the air to reuse such carbon dioxide  
12 to create products for military uses.

13 (C) To develop direct air capture tech-  
14 nologies for use—

15 (i) at military installations or facilities  
16 of the Department of Defense; or

17 (ii) in modes of transportation by the  
18 Navy or the Coast Guard.

19 (3) PHASES.—The program established under  
20 paragraph (1) shall be carried out in two phases as  
21 follows:

22 (A) The first phase shall consist of re-  
23 search and development and shall be carried out  
24 as described in subsection (b).

1           (B) The second phase shall consist of test-  
2           ing and evaluation and shall be carried out as  
3           described in subsection (c), if the Secretary de-  
4           termines that the results of the research and  
5           development phase justify implementing the  
6           testing and evaluation phase.

7           (4) DESIGNATION.—The program established  
8           under paragraph (1) shall be known as the “Direct  
9           Air Capture and Blue Carbon Removal Technology  
10          Program” (in this section referred to as the “Pro-  
11          gram”).

12          (b) RESEARCH AND DEVELOPMENT PHASE.—

13           (1) IN GENERAL.—During the research and de-  
14           velopment phase of the Program, the Secretary of  
15           Defense shall conduct research and development in  
16           pursuit of the goals set forth in subsection (a)(2).

17           (2) DIRECT AIR CAPTURE.—The research and  
18           development phase of the Program may include, with  
19           respect to direct air capture, a front end engineering  
20           and design study that includes an evaluation of di-  
21           rect air capture designs to produce fuel for use—

22                   (A) at military installations or facilities of  
23                   the Department of Defense; or

24                   (B) in modes of transportation by the  
25                   Navy or the Coast Guard.

1           (3) DURATION.—The Secretary shall carry out  
2 the research and development phase of the Program  
3 during a four-year period commencing not later than  
4 90 days after the date of the enactment of this Act.

5           (4) GRANTS AUTHORIZED.—The Secretary may  
6 carry out the research and development phase of the  
7 Program through the award of grants to private per-  
8 sons and eligible laboratories.

9           (5) REPORT REQUIRED.—Not later than 180  
10 days after the date of the completion of the research  
11 and development phase of the Program, the Sec-  
12 retary shall submit to Congress a report on the re-  
13 search and development carried out under the Pro-  
14 gram.

15           (6) FUNDING FOR FISCAL YEAR 2020.—(A) The  
16 amount authorized to be appropriated for fiscal year  
17 2020 by section 201 for research, development, test,  
18 and evaluation is hereby increased by \$8,000,000,  
19 with the amount of the increase to be available for  
20 the research and development phase of the Program.

21           (B) The amount authorized to be appropriated  
22 for fiscal year 2020 by section 301 for operation and  
23 maintenance is hereby decreased by \$8,000,000,  
24 with the amount of the decrease to be taken from  
25 amounts available for printing.

1           (7) AUTHORIZATION OF APPROPRIATIONS FOR  
2 FUTURE FISCAL YEARS.—There is authorized to be  
3 appropriated to carry out the research and develop-  
4 ment phase of the Program \$10,000,000 for each of  
5 fiscal years 2021 through 2023.

6           (c) TESTING AND EVALUATION PHASE.—

7           (1) IN GENERAL.—During the testing and eval-  
8 uation phase of the Program, the Secretary shall, in  
9 pursuit of the goals set forth in subsection (a)(2),  
10 conduct tests and evaluations of the technologies re-  
11 searched and developed during the research and de-  
12 velopment phase of the Program.

13           (2) DIRECT AIR CAPTURE.—The testing and  
14 evaluation phase of the Program may include dem-  
15 onstration projects for direct air capture to produce  
16 fuels for use—

17                   (A) at military installations or facilities of  
18 the Department of Defense; or

19                   (B) in modes of transportation by the  
20 Navy or the Coast Guard.

21           (3) DURATION.—The Secretary shall carry out  
22 the testing and evaluation phase of the Program  
23 during the three-year period commencing on the  
24 date of the completion of the research and develop-  
25 ment phase described in subsection (b), except that

1 the testing and evaluation phase of the Program  
2 with respect to direct air capture may commence at  
3 such time after a front end engineering and design  
4 study demonstrates to the Secretary that commence-  
5 ment of such phase is appropriate.

6 (4) GRANTS AUTHORIZED.—The Secretary may  
7 carry out the testing and evaluation phase of the  
8 Program through the award of grants to private per-  
9 sons and eligible laboratories.

10 (5) LOCATIONS.—The Secretary shall carry out  
11 the testing and evaluation phase of the Program at  
12 military installations or facilities of the Department  
13 of Defense.

14 (6) REPORT REQUIRED.—Not later than Sep-  
15 tember 30, 2026, the Secretary shall submit to Con-  
16 gress a report on the findings of the Secretary with  
17 respect to the effectiveness of the technologies tested  
18 and evaluated under the Program.

19 (7) AUTHORIZATION OF APPROPRIATIONS.—  
20 There is authorized to be appropriated to carry out  
21 the testing and evaluation phase of the Program  
22 \$15,000,000 for each of fiscal years 2024 through  
23 2026.

24 (d) DEFINITIONS.—In this section:

1           (1) The term “blue carbon capture” means the  
2 removal of dissolved carbon dioxide from seawater  
3 through engineered or inorganic processes, including  
4 filters, membranes, or phase change systems.

5           (2)(A) The term “direct air capture”, with re-  
6 spect to a facility, technology, or system, means that  
7 the facility, technology, or system uses carbon cap-  
8 ture equipment to capture carbon dioxide directly  
9 from the air.

10           (B) The term “direct air capture” does not in-  
11 clude any facility, technology, or system that cap-  
12 tures carbon dioxide—

13                   (i) that is deliberately released from a nat-  
14 urally occurring subsurface spring; or

15                   (ii) using natural photosynthesis.

16           (3) The term “eligible laboratory” means—

17                   (A) a National Laboratory (as defined in  
18 section 2 of the Energy Policy Act of 2005 (42  
19 U.S.C. 15801)); or

20                   (B) a laboratory of the Department of De-  
21 fense.

1           **Subtitle C—Reports and Other**  
2                           **Matters**

3   **SEC. 231. NATIONAL SECURITY EMERGING BIOTECH-**  
4                           **NOLOGIES RESEARCH AND DEVELOPMENT**  
5                           **PROGRAM.**

6           (a) ESTABLISHMENT.—The Secretary of Defense  
7 shall carry out a research and development program on  
8 applications of emerging biotechnologies for the national  
9 security purposes set forth in subsection (b).

10          (b) NATIONAL SECURITY PURPOSES.—The national  
11 security purposes set forth in this subsection are as fol-  
12 lows:

13                   (1) To ensure military understanding and rel-  
14 evancy of applications of emerging biotechnologies in  
15 meeting national security requirements.

16                   (2) To coordinate all research and development  
17 relating to emerging biotechnologies within the De-  
18 partment of Defense and to provide for interagency  
19 cooperation and collaboration on research and devel-  
20 opment relating to emerging biotechnologies between  
21 the Department and other departments and agencies  
22 of the United States and appropriate private sector  
23 entities that are involved in research and develop-  
24 ment relating to emerging biotechnologies.

1           (3) To develop and manage a portfolio of fun-  
2           damental and applied emerging biotechnologies re-  
3           search initiatives that is stable, consistent, and bal-  
4           anced across scientific disciplines.

5           (4) To collect, synthesize, and disseminate crit-  
6           ical information on research and development relat-  
7           ing to emerging biotechnologies within the national  
8           security establishment.

9           (5) To establish and support appropriate re-  
10          search, innovation, and the industrial base, including  
11          facilities and infrastructure, to support the needs of  
12          Department missions and scientific workforce relat-  
13          ing to emerging biotechnologies.

14          (6) To develop a technical basis to inform the  
15          intelligence community on the analysis needs of the  
16          Department with respect to emerging biotech-  
17          nologies.

18          (c) ADMINISTRATION.—In carrying out the program  
19          required by subsection (a), the Secretary shall act through  
20          the Under Secretary of Defense for Research and Engi-  
21          neering, who shall supervise the planning, management,  
22          and coordination of the program. The Under Secretary,  
23          in consultation with the Secretaries of the military depart-  
24          ments and the heads of participating Defense Agencies

1 and other departments and agencies of the United States,  
2 shall—

3           (1) prescribe a set of long-term challenges and  
4 a set of broad technical goals for the program;

5           (2) develop a coordinated and integrated re-  
6 search and investment plan for meeting near-, mid-  
7 , and long-term challenges for achieving broad tech-  
8 nical goals that build upon the Department’s invest-  
9 ment in emerging biotechnologies research and de-  
10 velopment, commercial sector and global invest-  
11 ments, and other United States Government invest-  
12 ments in emerging biotechnologies fields;

13           (3) not later than 180 days after the date of  
14 the enactment of this Act, develop and continuously  
15 update guidance, including classification guidance  
16 for defense-related emerging biotechnologies activi-  
17 ties, and policies for restricting access to research to  
18 minimize the effects of loss of intellectual property  
19 in basic and applied emerging biotechnologies and  
20 information considered sensitive to the leadership of  
21 the United States in the field of emerging biotech-  
22 nologies; and

23           (4) develop memoranda of agreement, joint  
24 funding agreements, and other cooperative arrange-

1       ments necessary for meeting long-term challenges  
2       and achieving specific technical goals.

3       (d) REPORT.—

4           (1) IN GENERAL.—Not later than December 31,  
5       2020, the Secretary shall submit to the congress-  
6       sional defense committees a report on the program  
7       carried out under subsection (a).

8           (2) ELEMENTS.—The report required by para-  
9       graph (1) shall include the following:

10           (A) An assessment of the potential na-  
11       tional security risks of emerging biotechnologies  
12       technologies.

13           (B) An assessment of the efforts of foreign  
14       powers to use emerging biotechnologies for mili-  
15       tary applications and other purposes.

16           (C) A description of the knowledge-base of  
17       the Department with respect to emerging bio-  
18       technologies, plans to defend against potential  
19       national security threats posed by emerging bio-  
20       technologies, and any plans of the Secretary to  
21       enhance such knowledge-base.

22           (D) A plan that describes how the Sec-  
23       retary intends to use emerging biotechnologies  
24       for military applications and to meet other  
25       needs of the Department.

1           (E) A description of activities undertaken  
2           consistent with this section, including funding  
3           for activities consistent with the section.

4           (F) Such other matters as the Secretary  
5           considers appropriate.

6           (3) FORM.—The report submitted under para-  
7           graph (1) shall be submitted in unclassified form,  
8           but may include a classified annex.

9           (e) DEFINITION OF EMERGING BIOTECH-  
10          NOLOGIES.—In this section, the term “emerging biotech-  
11          nologies” includes the following:

12           (1) Engineered biology, which is the application  
13           of engineering design principles and practices to bio-  
14           logical, genetic, molecular, and cellular systems to  
15           enable novel functions and capabilities.

16           (2) Neurotechnology, which refers to central  
17           and peripheral nervous system interfaces that lever-  
18           age structural, computational, and mathematical  
19           modeling to develop devices that decode neural activ-  
20           ity (identify how it corresponds to a particular be-  
21           havior or cognitive state, such as sensorimotor func-  
22           tion, memory, or neuropsychiatric function) and use  
23           this information to deliver targeted interventions or  
24           therapies to facilitate performance.

1           (3) Performance enhancement, namely tech-  
2           nologies that augment human physiology at the cel-  
3           lular, molecular, and physiological levels giving the  
4           end user novel or enhanced physical and psycho-  
5           logical capabilities.

6           (4) Gene editing, including tools that facilitate  
7           deoxyribonucleic acid (DNA) sequence deletion, re-  
8           placement, or insertion into cellular or organismal  
9           genetic material, thereby modulating genetic func-  
10          tion for applications that include treating and pre-  
11          venting disease, and improving function of biological  
12          systems.

13          (5) Biomolecular sequencing and synthesis,  
14          namely the processes by which biomolecular compo-  
15          nents (such as deoxyribonucleic acid and ribonucleic  
16          acid) can be measured (sequencing) or generated  
17          (synthesis) for uses in engineering biology, biomanu-  
18          facturing, and other medical and nonmedical appli-  
19          cations.

20 **SEC. 232. CYBER SCIENCE AND TECHNOLOGY ACTIVITIES**

21 **ROADMAP AND REPORTS.**

22          (a) ROADMAP FOR SCIENCE AND TECHNOLOGY AC-  
23          TIVITIES TO SUPPORT DEVELOPMENT OF CYBER CAPA-  
24          BILITIES.—

1           (1) ROADMAP REQUIRED.—The Secretary of  
2           Defense, acting through the Under Secretary of De-  
3           fense for Research and Engineering, shall develop a  
4           roadmap for science and technology activities of the  
5           Department of Defense to support development of  
6           cyber capabilities to meet Department needs and  
7           missions.

8           (2) GOAL OF CONSISTENCY.—The Secretary  
9           shall develop the roadmap required by paragraph (1)  
10          to ensure consistency with appropriate Federal inter-  
11          agency, industry, and academic activities.

12          (3) SCOPE.—The roadmap required by para-  
13          graph (1) shall—

14                (A) cover the development of capabilities  
15                that will likely see operational use within the  
16                next 25 years or earlier; and

17                (B) address cyber operations and cyberse-  
18                curity.

19          (4) CONSULTATION.—The Secretary shall de-  
20          velop the roadmap required by paragraph (1) in con-  
21          sultation with the following:

22                (A) The Chief Information Officer of the  
23                Department.

24                (B) The secretaries and chiefs of the mili-  
25                tary departments.

1 (C) The Director of Operational Test and  
2 Evaluation.

3 (D) The Commander of the United States  
4 Cyber Command.

5 (E) The Director of the National Security  
6 Agency.

7 (F) The Director of the Defense Informa-  
8 tion Systems Agency.

9 (G) The Director of the Defense Advanced  
10 Research Projects Agency.

11 (H) The Director of the Defense Digital  
12 Service.

13 (5) FORM.—The Secretary shall develop the  
14 roadmap required by paragraph (1) in unclassified  
15 form, but may include a classified annex.

16 (6) PUBLICATION.—The Secretary shall make  
17 available to the public the unclassified form of the  
18 roadmap developed pursuant to paragraph (1).

19 (b) ANNUAL REPORT ON CYBER SCIENCE AND  
20 TECHNOLOGY ACTIVITIES.—

21 (1) ANNUAL REPORTS REQUIRED.—In fiscal  
22 years 2021, 2022, and 2023, the Under Secretary of  
23 Defense for Research and Engineering submit to the  
24 Congressional Defense Committees a report on the  
25 science and technology activities within the Depart-

1       ment of Defense relating to cyber matters during the  
2       previous fiscal year, the current fiscal year, and the  
3       following fiscal year.

4           (2) CONTENTS.—Each report submitted pursu-  
5       ant to paragraph (1) shall include, for the period  
6       covered by the report, a description and listing of  
7       the science and technology activities of the Depart-  
8       ment relating to cyber matters, including the fol-  
9       lowing:

10           (A) Extramural science and technology ac-  
11       tivities.

12           (B) Intramural science and technology ac-  
13       tivities.

14           (C) Major and minor military construction  
15       activities.

16           (D) Major prototyping and demonstration  
17       programs.

18           (E) A list of agreements and activities  
19       transition capabilities to acquisition activities,  
20       including—

21               (i) national security systems;

22               (ii) business systems; and

23               (iii) enterprise and network systems.

24           (F) Efforts to enhance the national tech-  
25       nical cybersecurity workforce, including specific

1 programs to support education, training, intern-  
2 ships, and hiring.

3 (G) Efforts to perform cooperative activi-  
4 ties with international partners.

5 (H) Efforts under the Small Business In-  
6 novation Research and the Small Business  
7 Technology Transfer Program, including esti-  
8 mated amounts in the request for the following  
9 fiscal year.

10 (I) Efforts to encourage partnerships be-  
11 tween the Department of Defense and univer-  
12 sities participating in the National Centers of  
13 Academic Excellence in Cyber Operations and  
14 Cyber Defense.

15 (3) TIMING.—Each report submitted pursuant  
16 to paragraph (1) shall be submitted concurrently  
17 with the annual budget request of the President sub-  
18 mitted pursuant to section 1105 of title 31, United  
19 States Code.

20 (4) FORM.—The report submitted under para-  
21 graph (1) shall be submitted in unclassified form,  
22 but may include a classified annex.

1 **SEC. 233. REQUIRING CERTAIN MICROELECTRONICS PROD-**  
2 **UCTS AND SERVICES MEET TRUSTED SUPPLY**  
3 **CHAIN AND OPERATIONAL SECURITY STAND-**  
4 **ARDS.**

5 (a) PURCHASES.—

6 (1) IN GENERAL.—To protect the United States  
7 from intellectual property theft and to ensure na-  
8 tional security and public safety in the application of  
9 new generations of wireless network technology and  
10 microelectronics, beginning on January 1, 2022, the  
11 Secretary of Defense shall—

12 (A) ensure that each critical microelec-  
13 tronics product and service that the Depart-  
14 ment of Defense purchases on or after such  
15 date meets the trusted supply chain and oper-  
16 ational security standards established pursuant  
17 to subsection (b), except in a case in which the  
18 Department seeks to purchase a critical micro-  
19 electronics product or service, but—

20 (i) no such product or service is avail-  
21 able for purchase that meets such stand-  
22 ards; or

23 (ii) no such product or service is avail-  
24 able for purchase that—

25 (I) meets such standards; and

1 (II) is available at a price that  
2 the Secretary does not consider pro-  
3 hibitively expensive; and

4 (B) to the maximum extent practicable, en-  
5 sure that each microelectronics product and  
6 service, other than a critical microelectronics  
7 product and service, that is purchased by the  
8 Department of Defense on or after such date  
9 meets the trusted supply chain and operational  
10 security standards established pursuant to sub-  
11 section (b).

12 (2) CRITICAL MICROELECTRONICS PRODUCTS  
13 AND SERVICES.—For purposes of this section, a crit-  
14 ical microelectronics product or service is a micro-  
15 electronics product, or a service based on such a  
16 product, that is designated by the Secretary as crit-  
17 ical to meeting national security needs.

18 (b) TRUSTED SUPPLY CHAIN AND OPERATIONAL SE-  
19 CURITY STANDARDS.—

20 (1) STANDARDS REQUIRED.—Not later than  
21 January 1, 2021, the Secretary shall establish trust-  
22 ed supply chain and operational security standards  
23 for the purchase of microelectronics products and  
24 services by the Department.

1           (2) CONSULTATION REQUIRED.—In developing  
2 standards under paragraph (1), the Secretary shall  
3 consult with the following:

4           (A) The Secretary of Homeland Security,  
5 the Secretary of State, the Secretary of Com-  
6 merce, and the Director of the National Insti-  
7 tute of Standards and Technology.

8           (B) Suppliers of microelectronics products  
9 and services from the United States and allies  
10 and partners of the United States.

11           (C) Representatives of major United States  
12 industry sectors that rely on a trusted supply  
13 chain and the operational security of microelec-  
14 tronics products and services.

15           (D) Representatives of the United States  
16 insurance industry.

17           (3) TIERS OF TRUST AND SECURITY AUTHOR-  
18 IZED.—In carrying out paragraph (1), the Secretary  
19 may establish tiers of trust and security within the  
20 supply chain and operational security standards for  
21 microelectronics products and services.

22           (4) GENERAL APPLICABILITY.—The standards  
23 established pursuant to paragraph (1) shall be, to  
24 the greatest extent practicable, generally applicable  
25 to the trusted supply chain and operational security

1 needs and use cases of the United States Govern-  
2 ment and commercial industry, such that the stand-  
3 ards could be widely adopted by government and  
4 commercial industry.

5 (5) ANNUAL REVIEW.—Not later than October  
6 1 of each year, the Secretary shall review the stand-  
7 ards established pursuant to paragraph (1) and  
8 issue updates or modifications as the Secretary con-  
9 siders necessary or appropriate.

10 (c) ENSURING ABILITY TO SELL COMMERCIALY.—

11 (1) IN GENERAL.—The Secretary shall, to the  
12 greatest extent practicable, ensure that suppliers of  
13 microelectronics products for the Federal Govern-  
14 ment who meet the standards established under sub-  
15 section (b) are able and incentivized to sell products  
16 commercially that are produced on the same produc-  
17 tion lines as the microelectronics products supplied  
18 to the Federal Government.

19 (2) EFFECT OF REQUIREMENTS AND ACQUISI-  
20 TIONS.—The Secretary shall, to the greatest extent  
21 practicable, ensure that the requirements of the De-  
22 partment and the acquisition by the Department of  
23 microelectronics enable the success of a dual-use  
24 microelectronics industry.

1 (d) MAINTAINING COMPETITION AND INNOVATION.—  
2 The Secretary shall take such actions as the Secretary  
3 considers necessary and appropriate, within the Sec-  
4 retary’s authorized activities to maintain the health of the  
5 defense industrial base, to ensure that—

6 (1) providers of microelectronics products and  
7 services that meet the standards established under  
8 subsection (b) are exposed to competitive market  
9 pressures to achieve competitive pricing and sus-  
10 tained innovation; and

11 (2) the industrial base of microelectronics prod-  
12 ucts and services that meet the standards estab-  
13 lished under subsection (b) includes providers pro-  
14 ducing in or belonging to countries that are allies or  
15 partners of the United States.

16 **SEC. 234. TECHNICAL CORRECTION TO GLOBAL RESEARCH**  
17 **WATCH PROGRAM.**

18 Section 2365 of title 10, United States Code, is  
19 amended—

20 (1) in subsections (a) and (d)(2), by striking  
21 “Assistant Secretary of Defense for Research and  
22 Engineering” both places it appears and inserting  
23 “Under Secretary of Defense for Research and En-  
24 gineering”;

1           (2) in subsections (d)(3) and (e), by striking  
2           “Assistant Secretary” both places it appears and in-  
3           serting “Under Secretary of Defense for Research  
4           and Engineering”; and

5           (3) in subsection (d), by striking “Assistant  
6           Secretary” both places it appears and inserting  
7           “Under Secretary”.

8 **SEC. 235. ADDITIONAL TECHNOLOGY AREAS FOR EXPE-**  
9 **DITED ACCESS TO TECHNICAL TALENT.**

10          Section 217(e) of the National Defense Authorization  
11 Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.  
12 2358 note) is amended—

13           (1) by redesignating paragraph (27) as para-  
14           graph (29); and

15           (2) by inserting after paragraph (26) the fol-  
16           lowing new paragraph (27):

17           “(27) Rapid prototyping.

18           “(28) Infrastructure resilience.”.

19 **SEC. 236. SENSE OF THE SENATE AND PERIODIC BRIEFINGS**  
20 **ON THE SECURITY AND AVAILABILITY OF**  
21 **FIFTH-GENERATION (5G) WIRELESS NET-**  
22 **WORK TECHNOLOGY AND PRODUCTION.**

23          (a) SENSE OF THE SENATE.—It is the sense of the  
24 Senate that—

1           (1) use of fifth-generation (5G) wireless net-  
2 works and associated technology will be a foundation  
3 for future warfighting applications for the Depart-  
4 ment of Defense;

5           (2) the commercial implementation of fifth-gen-  
6 eration wireless networks will provide the high speed  
7 and capacity necessary for the Internet of Things,  
8 advanced manufacturing, autonomous machines, the  
9 application of artificial intelligence, and smart cities,  
10 and it is critical that the Department of Defense uti-  
11 lize these new capabilities;

12           (3) protecting the innovation and technology  
13 that enables these revolutionary developments is es-  
14 sential for security of the Department of Defense  
15 mission, and will require improved security of the  
16 microelectronics supply chain and of the design and  
17 operation of networks based on fifth-generation wire-  
18 less network technology;

19           (4) securing fifth-generation wireless networks  
20 and associated technology is required due to the in-  
21 creased effects of military processes that will be en-  
22 abled on fifth-generation wireless networks;

23           (5) the Department of Defense can no longer  
24 rely on fabricationless business models in which  
25 microelectronics manufacturing is located in coun-

1 tries with vulnerable supply chains or adversarial na-  
2 tions known for predatory industrial espionage and  
3 posing a military threat to the United States or on  
4 small-scale manufacturing of trusted microelec-  
5 tronics in dedicated facilities;

6 (6) the Department of Defense should leverage  
7 its large procurement budget, sophisticated under-  
8 standing of the threats to microelectronics supply  
9 chains, as well as experience establishing require-  
10 ments for the secure production of microelectronics  
11 and working with trusted foundries to create a se-  
12 cure, competitive, and innovative manufacturing  
13 base in cooperation with industry; and

14 (7) the Secretary of Defense should act expedi-  
15 tiously to achieve the goals enumerated in this sub-  
16 section using resources and authorities available to  
17 the Department, while encouraging interagency plan-  
18 ning for a whole-of-government strategy.

19 (b) PERIODIC BRIEFINGS.—

20 (1) IN GENERAL.—Not later than March 15,  
21 2020, and not less frequently than once every three  
22 months thereafter until March 15, 2022, the Sec-  
23 retary of Defense shall brief the congressional de-  
24 fense committees on how the Department of De-  
25 fense—

1 (A) is using secure fifth-generation wire-  
2 less network technology;

3 (B) is reshaping the Department's policy  
4 for producing and procuring secure microelec-  
5 tronics; and

6 (C) working in the interagency and inter-  
7 nationally to develop common policies and ap-  
8 proaches.

9 (2) ELEMENTS.—Each briefing under para-  
10 graph (1) shall contain information on—

11 (A) efforts to ensure a secure supply chain  
12 for fifth-generation wireless network equipment  
13 and microelectronics;

14 (B) the continued availability of electro-  
15 magnetic spectrum for warfighting needs;

16 (C) planned implementation of fifth-gen-  
17 eration wireless network infrastructure in  
18 warfighting networks, base infrastructure, de-  
19 fense-related manufacturing, and logistics;

20 (D) steps taken to work with allied and  
21 partner countries to protect critical networks  
22 and supply chains; and

23 (E) such other topics as the Secretary con-  
24 siders relevant.

1 **SEC. 237. TRANSFER OF COMBATING TERRORISM TECH-**  
2 **NICAL SUPPORT OFFICE.**

3 (a) TRANSFER REQUIRED.—Not later than March 1,  
4 2020, the Secretary of Defense shall transfer responsibil-  
5 ities for the authority, direction, and control of the Com-  
6 bating Terrorism Technical Support Office from the As-  
7 sistant Secretary of Defense for Special Operations and  
8 Low Intensity Conflict to the Under Secretary of Defense  
9 for Research and Engineering.

10 (b) REPORT REQUIRED.—

11 (1) IN GENERAL.—Not later than the date that  
12 is 30 days before the date of the transfer of respon-  
13 sibilities required by subsection (a), the Secretary  
14 shall submit to the congressional defense committees  
15 a report on such transfer.

16 (2) CONTENTS.—The report submitted under  
17 paragraph (1) shall include the following:

18 (A) An assessment of the relevance of the  
19 roles, responsibilities, and objectives of the  
20 Combating Terrorism Technical Support Office  
21 to supporting implementation of the National  
22 Defense Strategy and recommendations, if any,  
23 for changes to the roles, responsibilities, and  
24 objectives of the Combating Terrorism Tech-  
25 nical Support Office for the purpose of sup-

1           porting implementation of the National Defense  
2           Strategy.

3           (B) An articulation of any anticipated effi-  
4           ciencies resulting from the transfer of respon-  
5           sibilities as described in subsection (a).

6           (C) Such other matters as the Secretary  
7           considers relevant.

8 **SEC. 238. BRIEFING ON COOPERATIVE DEFENSE TECH-**  
9           **NOLOGY PROGRAMS AND RISKS OF TECH-**  
10           **NOLOGY TRANSFER TO CHINA OR RUSSIA.**

11       (a) BRIEFING REQUIRED.—Not later than March 1,  
12 2020, the Secretary of Defense, in consultation with the  
13 Director of National Intelligence, shall provide the con-  
14 gressional defense committees a briefing, and documents  
15 as appropriate, on current cooperative defense technology  
16 programs of the Department of Defense with any country  
17 the Secretary assesses to be engaged in significant defense  
18 or other advanced technology cooperation with the Peo-  
19 ple’s Republic of China or the Russian Federation.

20       (b) MATTERS TO BE ADDRESSED.—The briefing re-  
21 quired by subsection (a) shall address the following mat-  
22 ters:

23           (1) Whether any current cooperative defense  
24           technology programs of the Department of Defense

1 increase the risk of technology transfer to the Peo-  
2 ple’s Republic of China or the Russian Federation.

3 (2) What actions the Department of Defense  
4 has taken to mitigate the risk of technology transfer  
5 to the People’s Republic of China or the Russian  
6 Federation with respect to current cooperative de-  
7 fense technology programs.

8 (3) Such recommendations as the Secretary  
9 may have for legislative or administrative action to  
10 prevent technology transfer to the People’s Republic  
11 of China or the Russian Federation with respect to  
12 cooperative defense technology programs, especially  
13 as it relates to capabilities the Secretary assesses to  
14 be critical to maintain or restore the comparative  
15 military advantage of the United States.

16 (c) NOTIFICATION REQUIRED.—The Secretary shall  
17 provide the congressional committees a written notifica-  
18 tion not later than 15 days after any decision to suspend  
19 or terminate a cooperative defense technology program  
20 due to the risk or occurrence of technology transfer to the  
21 People’s Republic of China or the Russian Federation.

22 **SEC. 239. MODIFICATION OF AUTHORITY FOR PRIZES FOR**  
23 **ADVANCED TECHNOLOGY ACHIEVEMENTS.**

24 Section 2374a(a) of title 10, United States Code, is  
25 amended by striking “Assistant Secretary of Defense for

1 Research and Engineering” and inserting “Under Sec-  
2 retary of Defense for Research and Engineering, the  
3 Under Secretary of Defense for Acquisition and  
4 Sustainment,”.

5 **SEC. 240. USE OF FUNDS FOR STRATEGIC ENVIRONMENTAL**  
6 **RESEARCH PROGRAM, ENVIRONMENTAL SE-**  
7 **CURITY TECHNICAL CERTIFICATION PRO-**  
8 **GRAM, AND OPERATIONAL ENERGY CAPA-**  
9 **BILITY IMPROVEMENT.**

10 Of the funds authorized to be appropriated for fiscal  
11 year 2020 for the use of the Department of Defense for  
12 research, development, test, and evaluation, as specified  
13 in the funding table in section 4201 for the Strategic En-  
14 vironmental Research Program, Operational Energy Ca-  
15 pability Improvement, and the Environmental Security  
16 Technical Certification Program, the Secretary of Defense  
17 shall expend amounts as follows:

18 (1) Not less than \$10,000,000 on the develop-  
19 ment and demonstration of long duration on-site en-  
20 ergy battery storage for distributed energy assets.

21 (2) Not less than \$10,000,000 on the develop-  
22 ment, demonstration, and validation of non-fluorine  
23 based firefighting foams.

24 (3) Not less than \$10,000,000 on the develop-  
25 ment, demonstration, and validation of secure

1 microgrids for both installations and forward oper-  
2 ating bases.

3 (4) Not less than \$5,000,000 on the develop-  
4 ment, demonstration, and validation of technologies  
5 that can harvest potable water from air.

6 **SEC. 241. FUNDING FOR THE SEA-LAUNCHED CRUISE MIS-**  
7 **SILE-NUCLEAR ANALYSIS OF ALTERNATIVES.**

8 (a) AVAILABILITY OF FUNDING.—Of the amount au-  
9 thorized to be appropriated for fiscal year 2020 by section  
10 201 for research, development, test, and evaluation, at  
11 least \$5,000,000 shall be available for the analysis of al-  
12 ternatives for the Sea-Launched Cruise Missile–Nuclear.

13 (b) PROGRAM OF RECORD.—The Secretary of De-  
14 fense shall make the Sea-Launched Cruise Missile–Nu-  
15 clear a program of record.

16 **SEC. 242. REVIEW AND ASSESSMENT PERTAINING TO TRAN-**  
17 **SITION OF DEPARTMENT OF DEFENSE-ORIGI-**  
18 **NATED DUAL-USE TECHNOLOGY.**

19 (a) IN GENERAL.—The Under Secretary of Defense  
20 for Research and Engineering shall—

21 (1) conduct a review of the Department of De-  
22 fense science and technology enterprise’s intellectual  
23 property and strategy for awarding exclusive com-  
24 mercial rights to industry partners; and

1           (2) assess whether its practices are encouraging  
2           or constraining technology diffusion where desirable.

3           (b) ELEMENTS.—The review and assessment re-  
4           quired by subsection (a) shall include consideration of the  
5           following:

6           (1) The retention or relinquishment by the De-  
7           partment of intellectual property rights and the ef-  
8           fect thereof.

9           (2) The granting by the Department of exclu-  
10          sive commercial rights and the effect thereof.

11          (3) The potential of research prizes, vice pay-  
12          ment and exclusive commercial rights, on contract as  
13          remuneration for science and technology activities.

14          (4) The potential of science and technology pro-  
15          grams with intellectual property strategies that do  
16          not include commercialization monopolies.

17          (5) The potential of establishing price ceilings  
18          for licenses and commercial sale mandates to dis-  
19          courage selective commercial hoarding.

20          (6) The activities of the Department in effect  
21          on the day before the date of the enactment of this  
22          Act to promulgate to approved users in the commer-  
23          cial sector the intellectual property that the Depart-  
24          ment retains and their potential applications.

1           (7) Such other major factors as may inhibit the  
2 diffusion of Department-funded technology in the  
3 commercial sector where desirable.

4           (c) UNIVERSITY PARTNERSHIP.—In carrying out  
5 subsection (a), the Under Secretary shall partner with a  
6 business school or law school of a university with resident  
7 economics and intellectual property expertise.

8           (d) REPORT.—

9           (1) IN GENERAL.—Not later than May 1, 2020,  
10 the Under Secretary shall submit to the congress-  
11 sional defense committees a report on the findings of  
12 the Under Secretary with respect to the review and  
13 assessment required by subsection (a).

14           (2) RECOMMENDATIONS.—The report required  
15 by paragraph (1) shall include such recommenda-  
16 tions as the Under Secretary may have for legisla-  
17 tive or administrative action to improve the diffusion  
18 of the intellectual property and technology of the  
19 science and technology enterprise of the Depart-  
20 ment.

1       **TITLE III—OPERATION AND**  
2                   **MAINTENANCE**  
3       **Subtitle A—Authorization of**  
4                   **Appropriations**

5   **SEC. 301. AUTHORIZATION OF APPROPRIATIONS.**

6       Funds are hereby authorized to be appropriated for  
7   fiscal year 2020 for the use of the Armed Forces and other  
8   activities and agencies of the Department of Defense for  
9   expenses, not otherwise provided for, for operation and  
10  maintenance, as specified in the funding table in section  
11  4301.

12                   **Subtitle B—Energy and**  
13                   **Environment**

14  **SEC. 311. USE OF OPERATIONAL ENERGY COST SAVINGS OF**  
15                   **DEPARTMENT OF DEFENSE.**

16       Section 2912 of title 10, United States Code, is  
17  amended—

18           (1) in subsection (a), by striking “subsection  
19       (b)” and inserting “subsection (b) or (c), as the case  
20       may be,”;

21           (2) in subsection (b), in the matter preceding  
22       paragraph (1), by striking “The Secretary of De-  
23       fense” and inserting “Except as provided in sub-  
24       section (c) with respect to operational energy cost  
25       savings, the Secretary of Defense”;

1           (3) by redesignating subsection (c) as sub-  
2           section (d); and

3           (4) by inserting after subsection (b) the fol-  
4           lowing new subsection (c):

5           “(c) USE OF OPERATIONAL ENERGY COST SAV-  
6           INGS.—The amount that remains available for obligation  
7           under subsection (a) that relates to operational energy  
8           cost savings realized by the Department shall be used for  
9           the implementation of additional operational energy resil-  
10          ience, efficiencies, mission assurance, energy conservation,  
11          or energy security within the department, agency, or in-  
12          strumentality that realized that savings.”.

13   **SEC. 312. USE OF PROCEEDS FROM SALES OF ELECTRICAL**  
14                   **ENERGY GENERATED FROM GEOTHERMAL**  
15                   **RESOURCES.**

16          Section 2916(b) of title 10, United States Code, is  
17          amended—

18           (1) in paragraph (1), by striking “Except as  
19           provided in paragraph (3), proceeds” and inserting  
20           “Proceeds”; and

21           (2) by striking paragraph (3).

1 **SEC. 313. ENERGY RESILIENCE PROGRAMS AND ACTIVI-**  
2 **TIES.**

3 (a) **MODIFICATION OF ANNUAL ENERGY MANAGE-**  
4 **MENT AND RESILIENCE REPORT.**—Section 2925(a) of  
5 title 10, United States Code, is amended—

6 (1) in the subsection heading, by inserting  
7 “AND READINESS” after “MISSION ASSURANCE”;

8 (2) in the matter preceding paragraph (1), by  
9 inserting “The Secretary shall ensure that mission  
10 operators of critical facilities provide to personnel of  
11 military installations any information necessary for  
12 the completion of such report.” after “by the Sec-  
13 retary.”;

14 (3) in paragraph (4), in the matter preceding  
15 subparagraph (A), by striking “megawatts” and in-  
16 serting “electric and thermal loads”; and

17 (4) in paragraph (5), by striking “megawatts”  
18 and inserting “electric and thermal loads”.

19 (b) **FUNDING FOR ENERGY PROGRAM OFFICES.**—

20 (1) **IN GENERAL.**—Not later than 180 days  
21 after the date of the enactment of this Act, the Sec-  
22 retaries of the military departments shall submit to  
23 the congressional defense committees a report stat-  
24 ing whether the program offices specified in para-  
25 graph (2) are funded—

1 (A) at proper levels to ensure that the en-  
2 ergy resilience requirements of the Department  
3 of Defense are met; and

4 (B) at levels that are not less than in any  
5 previous fiscal year.

6 (2) PROGRAM OFFICES SPECIFIED.—The pro-  
7 gram offices specified in this paragraph are the fol-  
8 lowing:

9 (A) The Power Reliability Enhancement  
10 Program of the Army.

11 (B) The Office of Energy Initiatives of the  
12 Army.

13 (C) The Office of Energy Assurance of the  
14 Air Force.

15 (D) The Resilient Energy Program Office  
16 of the Navy.

17 (3) FUNDING PLAN.—

18 (A) IN GENERAL.—The Secretaries of the  
19 military departments shall include in the report  
20 submitted under paragraph (1) a funding plan  
21 for the next five fiscal years beginning after the  
22 date of the enactment of this Act to ensure that  
23 funding levels are, at a minimum, maintained  
24 during that period.

1           (B) ELEMENTS.—The funding plan under  
2           subparagraph (A) shall include, for each fiscal  
3           year covered by the plan, an identification of  
4           the amounts to be used for the accomplishment  
5           of energy resilience goals and objectives.

6           (c) ESTABLISHMENT OF TARGETS FOR WATER  
7           USE.—The Secretary of Defense shall, where life-cycle  
8           cost-effective, improve water use efficiency and manage-  
9           ment by the Department of Defense, including storm  
10          water management, by—

11           (1) installing water meters and collecting and  
12          using water balance data of buildings and facilities  
13          to improve water conservation and management;

14           (2) reducing industrial, landscaping, and agri-  
15          cultural water consumption in gallons by two percent  
16          annually through fiscal year 2030 relative to a base-  
17          line of such consumption by the Department in fiscal  
18          year 2010; and

19           (3) installing appropriate sustainable infra-  
20          structure features on installations of the Depart-  
21          ment to help with storm water and wastewater man-  
22          agement.

1 **SEC. 314. NATIVE AMERICAN INDIAN LANDS ENVIRON-**  
2 **MENTAL MITIGATION PROGRAM.**

3 (a) IN GENERAL.—Chapter 160 of title 10, United  
4 States Code, is amended by adding at the end the fol-  
5 lowing new section:

6 **“§ 2712. Native American lands environmental mitiga-**  
7 **tion program**

8 “(a) ESTABLISHMENT.—The Secretary of Defense  
9 may establish and carry out a program to mitigate the  
10 environmental effects of actions by the Department of De-  
11 fense on Indian lands and culturally connected locations.

12 “(b) PROGRAM ACTIVITIES.—The activities that may  
13 be carried out under the program established under sub-  
14 section (a) are the following:

15 “(1) Identification, investigation, and docu-  
16 mentation of suspected environmental effects attrib-  
17 utable to past actions by the Department of De-  
18 fense.

19 “(2) Development of mitigation options for such  
20 environmental effects, including development of cost-  
21 to-complete estimates and a system for prioritizing  
22 mitigation actions.

23 “(3) Direct mitigation actions that the Sec-  
24 retary determines are necessary and appropriate to  
25 mitigate the adverse environmental effects of past  
26 actions by the Department.

1           “(4) Demolition and removal of unsafe build-  
2           ings and structures used by, under the jurisdiction  
3           of, or formerly used by or under the jurisdiction of  
4           the Department.

5           “(5) Training, technical assistance, and admin-  
6           istrative support to facilitate the meaningful partici-  
7           pation of Indian tribes in mitigation actions under  
8           the program.

9           “(6) Development and execution of a policy gov-  
10          erning consultation with Indian tribes that have  
11          been or may be affected by action by the Depart-  
12          ment, including training personnel of the Depart-  
13          ment to ensure compliance with the policy.

14          “(c) COOPERATIVE AGREEMENTS.—(1) In carrying  
15          out the program established under subsection (a), the Sec-  
16          retary of Defense may enter into a cooperative agreement  
17          with an Indian tribe or an instrumentality of tribal govern-  
18          ment.

19          “(2) Notwithstanding chapter 63 of title 31, a coop-  
20          erative agreement under this section may be used to ac-  
21          quire property or services for the direct benefit of the  
22          United States Government.

23          “(3) A cooperative agreement under this section for  
24          the procurement of severable services may begin in one

1 fiscal year and end in another fiscal year only if the total  
2 period of performance does not exceed two calendar years.

3 “(d) DEFINITIONS.—In this section:

4 “(1) The term ‘Indian land’ includes—

5 “(A) any land located within the bound-  
6 aries and a part of an Indian reservation, pueb-  
7 lo, or rancheria;

8 “(B) any land that has been allotted to an  
9 individual Indian but has not been conveyed to  
10 such Indian with full power of alienation;

11 “(C) Alaska Native village and regional  
12 corporation lands; and

13 “(D) lands and waters upon which any  
14 Federally recognized Indian tribe has rights re-  
15 served by treaty, act of Congress, or action by  
16 the President.

17 “(2) The term ‘Indian tribe’ has the meaning  
18 given such term in section 2701(d)(4)(A) of this  
19 title.

20 “(3) The term ‘culturally connected location’  
21 means a location or place that has demonstrable sig-  
22 nificance to Indians or Alaska Natives based on its  
23 association with the traditional beliefs, customs, and  
24 practices of a living community, including locations  
25 or places where religious, ceremonial, subsistence,

1 medicinal, economic, or other lifeways practices have  
 2 historically taken place.”.

3 (b) CLERICAL AMENDMENT.—The table of sections  
 4 at the beginning of chapter 160 of such title is amended  
 5 by inserting after the item relating to section 2711 the  
 6 following new item:

“2712. Native American lands environmental mitigation program.”.

7 **SEC. 315. REIMBURSEMENT OF ENVIRONMENTAL PROTEC-**  
 8 **TION AGENCY FOR CERTAIN COSTS IN CON-**  
 9 **NECTION WITH THE TWIN CITIES ARMY AM-**  
 10 **MUNITION PLANT, MINNESOTA.**

11 (a) TRANSFER AMOUNT.—Notwithstanding section  
 12 2215 of title 10, United States Code, the Secretary of De-  
 13 fense may transfer to the Administrator of the Environ-  
 14 mental Protection Agency—

15 (1) in fiscal year 2020, not more than  
 16 \$890,790; and

17 (2) in each of fiscal years 2021 through 2026,  
 18 not more than \$150,000.

19 (b) PURPOSE OF REIMBURSEMENT.—The amount  
 20 authorized to be transferred under subsection (a) is to re-  
 21 imburse the Environmental Protection Agency for costs  
 22 the Agency has incurred and will incur relating to the re-  
 23 sponse actions performed at the Twin Cities Army Ammu-  
 24 nition Plant, Minnesota, through September 30, 2025.

1           (c) INTERAGENCY AGREEMENT.—The reimburse-  
2 ment described in subsection (b) is intended to satisfy cer-  
3 tain terms of the interagency agreement entered into by  
4 the Department of the Army and the Environmental Pro-  
5 tection Agency for the Twin Cities Army Ammunition  
6 Plant that took effect in December 1987 and that pro-  
7 vided for the recovery of expenses by the Agency from the  
8 Department of the Army.

9 **SEC. 316. PROHIBITION ON USE OF PERFLUOROALKYL SUB-**  
10 **STANCES AND POLYFLUOROALKYL SUB-**  
11 **STANCES FOR LAND-BASED APPLICATIONS**  
12 **OF FIREFIGHTING FOAM.**

13           (a) LIMITATION.—After October 1, 2022, no funds  
14 of the Department of Defense may be obligated or ex-  
15 pended to procure firefighting foam that contains in excess  
16 of one part per billion of perfluoroalkyl substances and  
17 polyfluoroalkyl substances.

18           (b) PROHIBITION ON USE AND DISPOSAL OF EXIST-  
19 ING STOCKS.—Not later than October 1, 2023, the Sec-  
20 retary of Defense shall—

21                   (1) cease the use of firefighting foam containing  
22                   in excess of one part per billion of perfluoroalkyl  
23                   substances and polyfluoroalkyl substances; and

1           (2) dispose of all existing stocks of such fire-  
2 fighting foam in accordance with the Solid Waste  
3 Disposal Act (42 U.S.C. 6901 et seq.).

4           (c) EXEMPTION FOR SHIPBOARD USE.—Subsections  
5 (a) and (b) shall not apply to firefighting foam for use  
6 solely onboard ocean-going vessels.

7           (d) DEFINITIONS.—In this section:

8           (1) PERFLUOROALKYL SUBSTANCES.—The  
9 term “perfluoroalkyl substances” means aliphatic  
10 substances for which all of the H atoms attached to  
11 C atoms in the nonfluorinated substance from which  
12 they are notionally derived have been replaced by F  
13 atoms, except those H atoms whose substitution  
14 would modify the nature of any functional groups  
15 present.

16           (2) POLYFLUOROALKYL SUBSTANCES.—The  
17 term “polyfluoroalkyl substances” means aliphatic  
18 substances for which all H atoms attached to at  
19 least one (but not all) C atoms have been replaced  
20 by F atoms, in such a manner that they contain the  
21 perfluoroalkyl moiety  $C_nF_{2n+1}$ — (for example,  
22  $C_8F_{17}CH_2CH_2OH$ ).

1 **SEC. 317. TRANSFER AUTHORITY FOR FUNDING OF STUDY**  
2 **AND ASSESSMENT ON HEALTH IMPLICATIONS**  
3 **OF PER- AND POLYFLUOROALKYL SUB-**  
4 **STANCES CONTAMINATION IN DRINKING**  
5 **WATER BY AGENCY FOR TOXIC SUBSTANCES**  
6 **AND DISEASE REGISTRY.**

7 Section 316(a)(2)(B)(ii) of the National Defense Au-  
8 thorization Act for Fiscal Year 2018 (Public Law 115-  
9 91; 131 Stat. 1350), as amended by section 315(a) of the  
10 John S. McCain National Defense Authorization Act for  
11 Fiscal Year 2019 (Public Law 115-232), is amended by  
12 striking “2019 and 2020” and inserting “2019, 2020, and  
13 2021”.

14 **SEC. 318. COOPERATIVE AGREEMENTS WITH STATES TO**  
15 **ADDRESS CONTAMINATION BY**  
16 **PERFLUOROALKYL AND POLYFLUOROALKYL**  
17 **SUBSTANCES.**

18 (a) COOPERATIVE AGREEMENTS.—

19 (1) IN GENERAL.—Upon request from the Gov-  
20 ernor or chief executive of a State, the Secretary of  
21 Defense shall work expeditiously, pursuant to section  
22 2701(d) of title 10, United States Code, to finalize  
23 a cooperative agreement, or amend an existing coop-  
24 erative agreement to address testing, monitoring, re-  
25 moval, and remedial actions relating to the contami-  
26 nation or suspected contamination of drinking, sur-

1 face, or ground water from PFAS originating from  
2 activities of the Department of Defense by providing  
3 the mechanism and funding for the expedited review  
4 and approval of documents of the Department re-  
5 lated to PFAS investigations and remedial actions  
6 from an active or decommissioned military installa-  
7 tion, including a facility of the National Guard.

8 (2) MINIMUM STANDARDS.—A cooperative  
9 agreement finalized or amended under paragraph  
10 (1) shall meet or exceed the most stringent of the  
11 following standards for PFAS in any environmental  
12 media:

13 (A) An enforceable State standard, in ef-  
14 fect in that State, for drinking, surface, or  
15 ground water, as described in section  
16 121(d)(2)(A)(ii) of the Comprehensive Environ-  
17 mental Response, Compensation, and Liability  
18 Act of 1980 (42 U.S.C. 9621(d)(2)(A)(ii)).

19 (B) An enforceable Federal standard for  
20 drinking, surface, or ground water, as described  
21 in section 121(d)(2)(A)(i) of the Comprehensive  
22 Environmental Response, Compensation, and  
23 Liability Act of 1980 (42 U.S.C.  
24 9621(d)(2)(A)(i)).

1 (b) REPORT.—Beginning on February 1, 2020, if a  
2 cooperative agreement is not finalized or amended under  
3 subsection (a) within one year after the request from the  
4 Governor or chief executive under that subsection, and an-  
5 nually thereafter, the Secretary of Defense shall submit  
6 to the appropriate committees and Members of Congress  
7 a report—

8 (1) explaining why the agreement has not been  
9 finalized or amended, as the case may be; and

10 (2) setting forth a projected timeline for final-  
11 izing or amending the agreement.

12 (c) DEFINITIONS.—In this section:

13 (1) APPROPRIATE COMMITTEES AND MEMBERS  
14 OF CONGRESS.—The term “appropriate committees  
15 and Members of Congress” means—

16 (A) the congressional defense committees;

17 (B) the Senators who represent a State  
18 impacted by PFAS contamination described in  
19 subsection (a)(1); and

20 (C) the Members of the House of Rep-  
21 resentatives who represent a district impacted  
22 by such contamination.

23 (2) FULLY FLUORINATED CARBON ATOM.—The  
24 term “fully fluorinated carbon atom” means a car-

1 bon atom on which all the hydrogen substituents  
2 have been replaced by fluorine.

3 (3) PFAS.—The term “PFAS” means  
4 perfluoroalkyl and polyfluoroalkyl substances that  
5 are man-made chemicals with at least one fully  
6 fluorinated carbon atom.

7 (4) STATE.—The term “State” has the mean-  
8 ing given the term in section 101 of the Comprehen-  
9 sive Environmental Response, Compensation, and  
10 Liability Act of 1980 (42 U.S.C. 9601).

11 **SEC. 319. MODIFICATION OF DEPARTMENT OF DEFENSE**  
12 **ENVIRONMENTAL RESTORATION AUTHORI-**  
13 **TIES TO INCLUDE FEDERAL GOVERNMENT**  
14 **FACILITIES USED BY NATIONAL GUARD.**

15 (a) DEFINITION OF FACILITY.—Section 2700(2) of  
16 title 10, United States Code, is amended—

17 (1) by striking “The terms” and inserting “(A)  
18 The terms”; and

19 (2) by adding at the end the following new sub-  
20 paragraph:

21 “(B) The term ‘facility’ includes real property  
22 that is owned by, leased to, or otherwise possessed  
23 by the United States at locations at which military  
24 activities are conducted under this title or title 32  
25 (including real property owned or leased by the Fed-

1 eral Government that is licensed to and operated by  
2 a State for training for the National Guard).”.

3 (b) INCLUSION OF POLLUTANTS AND CONTAMINANTS  
4 IN ENVIRONMENTAL RESPONSE ACTIONS.—Section  
5 2701(c) of such title is amended by inserting “or pollut-  
6 ants or contaminants” after “hazardous substances” each  
7 place it appears.

8 (c) ESTABLISHMENT OF ENVIRONMENTAL RESTORA-  
9 TION ACCOUNTS.—Section 2703(a) of such title is amend-  
10 ed by adding at the end the following new paragraphs:

11 “(6) An account to be known as the ‘Environ-  
12 mental Restoration Account, Army National Guard’  
13 (for real property owned or leased by the Federal  
14 Government that is licensed to and operated by a  
15 State for training for the Army National Guard).

16 “(7) An account to be known as the ‘Environ-  
17 mental Restoration Account, Air National Guard’  
18 (for real property owned or leased by the Federal  
19 Government that is licensed to and operated by a  
20 State for training for the Air National Guard).”.

21 **SEC. 320. BUDGETING OF DEPARTMENT OF DEFENSE RE-**  
22 **LATING TO EXTREME WEATHER.**

23 (a) IN GENERAL.—The Secretary of Defense shall in-  
24 clude in the annual budget submission of the President  
25 under section 1105(a) of title 31, United States Code—

1           (1) a dedicated budget line item for adaptation  
2           to, and mitigation of, effects of extreme weather on  
3           military networks, systems, installations, facilities,  
4           and other assets and capabilities of the Department  
5           of Defense; and

6           (2) an estimate of the anticipated adverse im-  
7           pacts to the readiness of the Department and the fi-  
8           nancial costs to the Department during the year cov-  
9           ered by the budget of the loss of, or damage to, mili-  
10          tary networks, systems, installations, facilities, and  
11          other assets and capabilities of the Department, in-  
12          cluding loss of or obstructed access to training  
13          ranges, as a result extreme weather events.

14          (b) DISAGGREGATION OF IMPACTS AND COSTS.—The  
15          estimate under subsection (a)(2) shall set forth the ad-  
16          verse readiness impacts and financial costs under that  
17          subsection by military department, Defense Agency, and  
18          other component or element of the Department.

19          (c) EXTREME WEATHER DEFINED.—In this section,  
20          the term “extreme weather” means recurrent flooding,  
21          drought, desertification, wildfires, and thawing perma-  
22          frost.

1 **SEC. 321. PILOT PROGRAM FOR AVAILABILITY OF WORK-**  
2 **ING-CAPITAL FUNDS FOR INCREASED COM-**  
3 **BAT CAPABILITY THROUGH ENERGY OPTIMI-**  
4 **ZATION.**

5 (a) IN GENERAL.—Notwithstanding section 2208 of  
6 title 10, United States Code, the Secretary of Defense and  
7 the military departments may use a working capital fund  
8 established pursuant to that section for expenses directly  
9 related to conducting a pilot program for energy optimiza-  
10 tion initiatives described in subsection (b).

11 (b) ENERGY OPTIMIZATION INITIATIVES.—Energy  
12 optimization initiatives covered by the pilot program in-  
13 clude the research, development, procurement, installa-  
14 tion, and sustainment of technologies or weapons system  
15 platforms, and the manpower required to do so, that would  
16 improve the efficiency and maintainability, extend the use-  
17 ful life, lower maintenance costs, or provide performance  
18 enhancement of the weapon system platform or major end  
19 item.

20 (c) LIMITATION ON CERTAIN PROJECTS.—Funds  
21 may not be used pursuant to subsection (a) for—

- 22 (1) any product improvement that significantly  
23 changes the performance envelope of an end item; or  
24 (2) any single component with an estimated  
25 total cost in excess of \$10,000,000.

1 (d) LIMITATION IN FISCAL YEAR PENDING TIMELY  
2 REPORT.—If during any fiscal year the report required  
3 by paragraph (1) of subsection (e) is not submitted by  
4 the date specified in paragraph (2) of that subsection,  
5 funds may not be used pursuant to subsection (a) during  
6 the period—

7 (1) beginning on the date specified in such  
8 paragraph (2); and

9 (2) ending on the date of the submittal of the  
10 report.

11 (e) ANNUAL REPORT.—

12 (1) IN GENERAL.—The Secretary of Defense  
13 shall submit an annual report to the congressional  
14 defense committees on the use of the authority  
15 under subsection (a) during the preceding fiscal  
16 year.

17 (2) DEADLINE FOR SUBMITTAL.—The report  
18 required by paragraph (1) in a fiscal year shall be  
19 submitted not later than 60 days after the date of  
20 the submittal to Congress of the budget of the Presi-  
21 dent for the succeeding fiscal year pursuant to sec-  
22 tion 1105 of title 31, United States Code.

23 (3) RECOMMENDATION.—In the case of the re-  
24 port required to be submitted under paragraph (1)  
25 during fiscal year 2020, the report shall include the

1 recommendation of the Secretary of Defense and the  
2 military departments regarding whether the author-  
3 ity under subsection (a) should be made permanent.

4 (f) SUNSET.—The authority under subsection (a)  
5 shall expire on October 1, 2024.

6 **SEC. 322. REPORT ON EFFORTS TO REDUCE HIGH ENERGY**  
7 **INTENSITY AT MILITARY INSTALLATIONS.**

8 (a) REPORT.—

9 (1) REPORT REQUIRED.—Not later than Sep-  
10 tember 1, 2020, the Under Secretary of Defense for  
11 Acquisition and Sustainment, in conjunction with  
12 the assistant secretaries responsible for installations  
13 and environment for the military departments and  
14 the Defense Logistics Agency, shall submit to the  
15 congressional defense committees a report detailing  
16 the efforts to achieve cost savings at military instal-  
17 lations with high energy intensity.

18 (2) ELEMENTS.—The report required under  
19 paragraph (1) shall include the following elements:

20 (A) A comprehensive, installation-specific  
21 assessment of feasible and mission-appropriate  
22 energy initiatives supporting energy production  
23 and consumption at military installations with  
24 high energy intensity.

1           (B) An assessment of current sources of  
2 energy in areas with high energy intensity and  
3 potential future sources that are technologically  
4 feasible, cost-effective, and mission-appropriate  
5 for military installations.

6           (C) A comprehensive implementation strat-  
7 egy to include required investment for feasible  
8 energy efficiency options determined to be the  
9 most beneficial and cost-effective, where appro-  
10 priate, and consistent with priorities of the De-  
11 partment of Defense.

12           (D) An explanation on how the military de-  
13 partments are working collaboratively in order  
14 to leverage lessons learned on potential energy  
15 efficiency solutions.

16           (E) An assessment of the extent to which  
17 activities administered under the Federal En-  
18 ergy Management Program of the Department  
19 of Energy could be used to assist with the im-  
20 plementation strategy under subparagraph (C).

21           (F) An assessment of State and local part-  
22 nership opportunities that could achieve effi-  
23 ciency and cost savings, and any legislative au-  
24 thorities required to carry out such partner-  
25 ships or agreements.

1           (3) COORDINATION WITH STATE, LOCAL, AND  
2           OTHER ENTITIES.—In preparing the report required  
3           under paragraph (1), the Under Secretary of De-  
4           fense for Acquisition and Sustainment may work in  
5           conjunction and coordinate with the States con-  
6           taining areas of high energy intensity, local commu-  
7           nities, and other Federal agencies.

8           (b) DEFINITION.—In this section, the term “high en-  
9           ergy intensity” means costs for the provision of energy by  
10          kilowatt of electricity or British Thermal Unit of heat or  
11          steam for a military installation in the United States that  
12          is in the highest 20 percent of all military installations  
13          for a military department.

14   **SEC. 323. TECHNICAL AND GRAMMATICAL CORRECTIONS**  
15                           **AND REPEAL OF OBSOLETE PROVISIONS RE-**  
16                           **LATING TO ENERGY.**

17          (a) TECHNICAL AND GRAMMATICAL CORRECTIONS.—

18                  (1) TECHNICAL CORRECTIONS.—Title 10,  
19          United States Code, is amended—

20                          (A) in section 2913(c), by striking “gov-  
21                          ernment” and inserting “government or”; and

22                          (B) in section 2926(d)(1), in the second  
23                          sentence, by striking “Defense Agencies” and  
24                          inserting “the Defense Agencies”.

1           (2) GRAMMATICAL CORRECTIONS.—Such title is  
2 further amended—

3           (A) in section 2922a(d), by striking “resilience are prioritized and included” and inserting “energy resilience are included as critical factors”; and

4           (B) in section 2925(a)(3), by striking “impacting energy” and all that follows through the period at the end and inserting “degrading energy resilience at military installations (excluding planned outages for maintenance reasons), whether caused by on- or off-installation disruptions, including the total number of outages and their locations, the duration of each outage, the financial effect of each outage, whether or not the mission was affected, the downtimes (in minutes or hours) the mission can afford based on mission requirements and risk tolerances, the responsible authority managing the utility, and measures taken to mitigate the outage by the responsible authority.”.

5           (b) CLARIFICATION OF APPLICABILITY OF CONFLICTING AMENDMENTS MADE BY 2018 DEFENSE AUTHORIZATION ACT.—Section 2911(e) of such title is  
6 amended—

1           (1) by striking paragraphs (1) and (2) and in-  
2           serting the following new paragraphs:

3           “(1) Opportunities to reduce the current rate of  
4           consumption of energy, the future demand for en-  
5           ergy, and the requirement for the use of energy.

6           “(2) Opportunities to enhance energy resilience  
7           to ensure the Department of Defense has the ability  
8           to prepare for and recover from energy disruptions  
9           that affect mission assurance on military installa-  
10          tions.”; and

11          (2) by striking the second paragraph (13).

12          (c) CONFORMING AND CLERICAL AMENDMENTS.—

13           (1) HEADING AMENDMENT.—The heading of  
14           section 2926 of such title is amended to read as fol-  
15           lows:

16          “§ 2926. **Operational energy**”.

17           (2) CLERICAL AMENDMENT.—The table of sec-  
18           tions at the beginning of chapter 173 of such title  
19           is amended by striking the item relating to section  
20           2926 and inserting the following new item:

“2926. Operational energy.”.

1                   **Subtitle C—Logistics and**  
2                   **Sustainment**

3 **SEC. 331. REQUIREMENT FOR MEMORANDA OF UNDER-**  
4                   **STANDING BETWEEN THE AIR FORCE AND**  
5                   **THE NAVY REGARDING DEPOT MAINTENANCE.**  
6                   **NANCE.**

7           Before the Secretary of the Navy transfers any main-  
8 tenance action on a platform to a depot under the jurisdic-  
9 tion of the Secretary of the Air Force or the Secretary  
10 of the Air Force transfers any maintenance action on a  
11 platform to a depot under the jurisdiction of the Secretary  
12 of the Navy, the Air Logistics Complex Commander and  
13 the Commander of Naval Air Systems Command shall  
14 enter into a joint memorandum of understanding that lists  
15 out responsibilities for work and technical oversight re-  
16 sponsibilities for such maintenance.

17 **SEC. 332. MODIFICATION TO LIMITATION ON LENGTH OF**  
18                   **OVERSEAS FORWARD DEPLOYMENT OF**  
19                   **NAVAL VESSELS.**

20           Section 323 of the John S. McCain National Defense  
21 Authorization Act for Fiscal Year 2019 (Public Law 115–  
22 232) is amended—

23                   (1) by redesignating subsection (c) as sub-  
24                   section (d); and



1 training environment and any current limitations  
2 compared to those requirements.

3 (3) An assessment of the requirement to mod-  
4 ernize the JPARC to provide realistic threats in a  
5 large-scale, combined-arms near-peer environment  
6 and any current limitations in meeting that require-  
7 ment. The assessment should include—

8 (A) target sets;

9 (B) early warning and surveillance sys-  
10 tems;

11 (C) threat systems;

12 (D) real-time communications capacity and  
13 security;

14 (E) instrumentation and enabling mission  
15 data fusion capabilities; and

16 (F) such other range deficiencies as the  
17 Secretary of the Air Force considers appro-  
18 priate to identify.

19 (4) A plan for balancing coalition training  
20 against training only for members of the Armed  
21 Forces of the United States at the JPARC.

## 1                   **Subtitle E—Other Matters**

### 2   **SEC. 351. STRATEGY TO IMPROVE INFRASTRUCTURE OF** 3                   **CERTAIN DEPOTS OF THE DEPARTMENT OF** 4                   **DEFENSE.**

5           (a) STRATEGY REQUIRED.—Not later than October  
6 1, 2020, the Secretary of Defense shall submit to the con-  
7 gressional defense committees a comprehensive strategy  
8 for improving the depot infrastructure of the military de-  
9 partments with the objective of ensuring that all covered  
10 depots have the capacity and capability to support the  
11 readiness and material availability goals of current and fu-  
12 ture weapon systems of the Department of Defense.

13           (b) ELEMENTS.—The strategy under subsection (a)  
14 shall include the following:

15                   (1) A comprehensive review of the conditions  
16 and performance at each covered depot, including  
17 the following:

18                           (A) An assessment of the current status of  
19 the following elements:

20                                   (i) Cost and schedule performance of  
21 the depot.

22                                   (ii) Material availability of weapon  
23 systems supported at the depot and the  
24 impact of the performance of the depot on  
25 that availability.

1 (iii) Work in progress and non-oper-  
2 ational items awaiting depot maintenance.

3 (iv) The condition of the depot.

4 (v) The backlog of restoration and  
5 modernization projects at the depot.

6 (vi) The condition of equipment at the  
7 depot.

8 (B) An identification of analytically based  
9 goals relating to the elements identified in sub-  
10 paragraph (A).

11 (2) A business-case analysis that assesses in-  
12 vestment alternatives comparing cost, performance,  
13 risk, and readiness outcomes and recommends an  
14 optimal investment approach across the Department  
15 of Defense to ensure covered depots efficiently and  
16 effectively meet the readiness goals of the Depart-  
17 ment, including an assessment of the following alter-  
18 natives:

19 (A) The minimum investment necessary to  
20 meet investment requirements under section  
21 2476 of title 10, United States Code.

22 (B) The investment necessary to ensure  
23 the current inventory of facilities at covered de-  
24 pots can meet the mission-capable, readiness,

1 and contingency goals of the Secretary of De-  
2 fense.

3 (C) The investment necessary to execute  
4 the depot infrastructure optimization plans of  
5 each military department.

6 (D) Any other strategies for investment in  
7 covered depots, as identified by the Secretary.

8 (3) A plan to improve conditions and perform-  
9 ance of covered depots that identifies the following:

10 (A) The approach of the Secretary of De-  
11 fense for achieving the goals outlined in para-  
12 graph (1)(B).

13 (B) The resources and investments re-  
14 quired to implement the plan.

15 (C) The activities and milestones required  
16 to implement the plan.

17 (D) A results-oriented approach to as-  
18 sess—

19 (i) the progress of each military de-  
20 partment in achieving such goals; and

21 (ii) the progress of the Department in  
22 implementing the plan.

23 (E) Organizational roles and responsibil-  
24 ities for implementing the plan.

1 (F) A process for conducting regular man-  
2 agement review and coordination of the  
3 progress of each military department in imple-  
4 menting the plan and achieving such goals.

5 (G) The extent to which the Secretary has  
6 addressed recommendations made by the Comp-  
7 troller General of the United States relating to  
8 depot operations during the five-year period  
9 preceding the date of submittal of the strategy  
10 under this section.

11 (H) Risks to implementing the plan and  
12 mitigation strategies to address those risks.

13 (c) ANNUAL REPORT ON PROGRESS.—As part of the  
14 annual budget submission of the President under section  
15 1105(a) of title 31, United States Code, the Secretary of  
16 Defense shall submit to the congressional defense commit-  
17 tees a report describing the progress made in—

18 (1) implementing the strategy under subsection  
19 (a); and  
20 (2) achieving the goals outlined in subsection  
21 (b)(1)(B).

22 (d) COMPTROLLER GENERAL REPORTS.—

23 (1) ASSESSMENT OF STRATEGY.—Not later  
24 than January 1, 2021, the Comptroller General of  
25 the United States shall submit to the congressional

1 defense committees a report assessing the extent to  
2 which the strategy under subsection (a) meets the  
3 requirements of this section.

4 (2) ASSESSMENT OF IMPLEMENTATION.—Not  
5 later than April 1, 2022, the Comptroller General  
6 shall submit to the congressional defense committees  
7 a report setting forth an assessment of the extent to  
8 which the strategy under subsection (a) has been ef-  
9 fectively implemented by each military department  
10 and the Secretary of Defense.

11 (e) COVERED DEPOT DEFINED.—In this section, the  
12 term “covered depot” has the meaning given that term  
13 in section 2476(e) of title 10, United States Code.

14 **SEC. 352. LIMITATION ON USE OF FUNDS REGARDING THE**  
15 **BASING OF KC-46A AIRCRAFT OUTSIDE THE**  
16 **CONTINENTAL UNITED STATES.**

17 (a) REPORT.—

18 (1) IN GENERAL.—Not later than 180 days  
19 after the date of the enactment of this Act, the Sec-  
20 retary of the Air Force shall submit to Congress a  
21 report on the projected plan and timeline for stra-  
22 tegic basing of the KC-46A aircraft outside the con-  
23 tinental United States.

24 (2) ELEMENTS.—In considering basing options  
25 in the report required by paragraph (1), the Sec-

1       retary of the Air Force shall consider locations  
2       that—

3               (A) support day-to-day air refueling oper-  
4               ations, operations plans of the combatant com-  
5               mands, and flexibility for contingency oper-  
6               ations, and have—

7                       (i) a strategic location that is essen-  
8                       tial to the defense of the United States  
9                       and its interests;

10                      (ii) receivers for boom or probe-and-  
11                      drogue combat training opportunities with  
12                      joint and international partners; and

13                      (iii) sufficient airfield and airspace  
14                      availability and capacity to meet require-  
15                      ments; and

16               (B) possess facilities that—

17                       (i) take full advantage of existing in-  
18                       frastructure to provide—

19                               (I) runways, hangars, and air-  
20                               crew and maintenance operations; and

21                               (II) sufficient fuel receipt, stor-  
22                               age, and distribution for a five-day  
23                               peacetime operating stock; and

24                       (ii) minimize overall construction and  
25                       operational costs.

1 (b) LIMITATION ON USE OF FUNDS.—Not more than  
2 85 percent of the funds authorized to be appropriated by  
3 this Act or otherwise made available for fiscal year 2020  
4 for the Air Force for operation and maintenance for the  
5 Management Headquarters Program (Program Element  
6 92398F) may be obligated or expended until the Secretary  
7 of the Air Force submits the report required by subsection  
8 (a) unless the Secretary of the Air Force certifies to Con-  
9 gress that the use of additional funds is mission essential.

10 **SEC. 353. PREVENTION OF ENCROACHMENT ON MILITARY**  
11 **TRAINING ROUTES AND MILITARY OPER-**  
12 **ATIONS AREAS.**

13 Section 183a of title 10, United States Code, is  
14 amended—

15 (1) in subsection (c)(6)—

16 (A) by striking “radar or airport surveil-  
17 lance radar operated” and inserting “radar, air-  
18 port surveillance radar, or wide area surveil-  
19 lance over-the-horizon radar operated”; and

20 (B) by inserting “Any setback for a project  
21 pursuant to the previous sentence shall not be  
22 more than what is determined to be necessary  
23 by a technical analysis conducted by the Lin-  
24 coln Laboratory at the Massachusetts Institute

1 of Technology or any successor entity.” after  
2 “mitigation options.”;

3 (2) in subsection (d)—

4 (A) in paragraph (2)(E), by striking “to a  
5 Deputy Secretary of Defense, an Under Sec-  
6 retary of Defense, or a Principal Deputy Under  
7 Secretary of Defense” and inserting “to the  
8 Deputy Secretary of Defense, an Under Sec-  
9 retary of Defense, or a Deputy Under Secretary  
10 of Defense”;

11 (B) by redesignating paragraph (3) as  
12 paragraph (4); and

13 (C) by inserting after paragraph (2) the  
14 following new paragraph (3):

15 “(3) The governor of a State may recommend  
16 to the Secretary of Defense additional geographical  
17 areas of concern within that State. Any such rec-  
18 ommendation shall be submitted for notice and com-  
19 ment pursuant to paragraph (2)(C).”;

20 (3) in subsection (e)(3), by striking “an under  
21 secretary of defense, or a deputy under secretary of  
22 defense” and inserting “an Under Secretary of De-  
23 fense, or a Deputy Under Secretary of Defense”;

24 (4) in subsection (f), by striking “from an ap-  
25 plicant for a project filed with the Secretary of

1 Transportation pursuant to section 44718 of title  
2 49” and inserting “from an entity requesting a re-  
3 view by the Clearinghouse under this section”; and

4 (5) in subsection (h)—

5 (A) by redesignating paragraphs (3), (4),  
6 (5), (6), and (7) as paragraphs (4), (5), (6),  
7 (7), and (9), respectively;

8 (B) by inserting after paragraph (2) the  
9 following new paragraph (3):

10 “(3) The term ‘governor’, with respect to a  
11 State, means the chief executive officer of the  
12 State.”;

13 (C) in paragraph (7), as redesignated by  
14 subparagraph (A), by striking “by the Federal  
15 Aviation Administration” and inserting “by the  
16 Administrator of the Federal Aviation Adminis-  
17 tration”; and

18 (D) by inserting after paragraph (7), as  
19 redesignated by subparagraph (A), the following  
20 new paragraph:

21 “(8) The term ‘State’ means the several States,  
22 the District of Columbia, the Commonwealth of  
23 Puerto Rico, the Commonwealth of the Northern  
24 Mariana Islands, Guam, the United States Virgin  
25 Islands, and American Samoa.”.

1 **SEC. 354. EXPANSION AND ENHANCEMENT OF AUTHORI-**  
2 **TIES ON TRANSFER AND ADOPTION OF MILI-**  
3 **TARY ANIMALS.**

4 (a) TRANSFER AND ADOPTION GENERALLY.—Sec-  
5 tion 2583 of title 10, United States Code, is amended—

6 (1) in subsection (a)—

7 (A) in the subsection heading, by inserting  
8 “TRANSFER OR” before “ADOPTION”; and

9 (B) by striking “adoption” each place it  
10 appears and inserting “transfer or adoption”;

11 (2) in subsection (b)—

12 (A) in the subsection heading, by inserting  
13 “TRANSFER OR” before “ADOPTION”; and

14 (B) in the first sentence, by striking  
15 “adoption” and inserting “transfer or adop-  
16 tion”; and

17 (C) in the second sentence, striking  
18 “adoptability” and inserting “transferability or  
19 adoptability”;

20 (3) in subsection (c)(1)—

21 (A) in the matter preceding subparagraph

22 (A)—

23 (i) by inserting “transfer or” before  
24 “adoption”; and

25 (ii) by inserting “, by” after “rec-  
26 ommended priority”;

1 (B) in subparagraphs (A) and (B), by in-  
 2 serting “adoption” before “by”;

3 (C) in subparagraph (B), by inserting “or  
 4 organizations” after “persons”; and

5 (D) in subparagraph (C), by striking “by”  
 6 and inserting “transfer to”; and

7 (4) in subsection (e)—

8 (A) in the subsection heading, by inserting  
 9 “OR ADOPTED” after “TRANSFERRED”;

10 (B) in paragraphs (1) and (2), by striking  
 11 “transferred” each place it appears and insert-  
 12 ing “transferred or adopted”; and

13 (C) in paragraph (2), by striking “trans-  
 14 fer” each place it appears and inserting “trans-  
 15 fer or adoption”.

16 (b) VETERINARY SCREENING AND CARE FOR MILI-  
 17 TARY WORKING DOGS TO BE RETIRED.—Such section is  
 18 further amended—

19 (1) by redesignating subsections (f), (g), and  
 20 (h) as subsections (g), (h), and (i), respectively; and

21 (2) by inserting after subsection (e) the fol-  
 22 lowing new subsection (f):

23 “(f) VETERINARY SCREENING AND CARE FOR MILI-  
 24 TARY WORKING DOGS TO BE RETIRED.—(1)(A) If the  
 25 Secretary of the military department concerned deter-

1 mines that a military working dog should be retired, such  
2 Secretary shall transport the dog to the Veterinary Treat-  
3 ment Facility at Lackland Air Force Base, Texas.

4 “(B) In the case of a contract working dog to be re-  
5 tired, transportation required by subparagraph (A) is sat-  
6 isfied by the transfer of the dog to the 341st Training  
7 Squadron at the end of the dog’s service life as required  
8 by section 2410r of this title and assignment of the dog  
9 to the Veterinary Treatment Facility referred to in that  
10 subparagraph.

11 “(2)(A) The Secretary of Defense shall ensure that  
12 each dog transported as described in paragraph (1) to the  
13 Veterinary Treatment Facility referred to in that para-  
14 graph is provided with a full veterinary screening, and nec-  
15 essary veterinary care (including surgery for any mental,  
16 dental, or stress-related illness), before transportation of  
17 the dog in accordance with subsection (g).

18 “(B) For purposes of this paragraph, stress-related  
19 illness includes illness in connection with post-traumatic  
20 stress, anxiety that manifests in a physical ailment, obses-  
21 sive compulsive behavior, and any other stress-related ail-  
22 ment.

23 “(3) Transportation is not required under paragraph  
24 (1), and screening and care is not required under para-  
25 graph (2), for a military working dog located outside the

1 United States if the Secretary of the military department  
2 concerned determines that transportation of the dog to the  
3 United States would not be in the best interests of the  
4 dog for medical reasons.”.

5 (c) COORDINATION OF SCREENING AND CARE RE-  
6 QUIREMENTS WITH TRANSPORTATION REQUIREMENTS.—  
7 Subsection (g) of such section, as redesignated by sub-  
8 section (b)(1) of this section, is amended to read as fol-  
9 lows:

10 “(g) TRANSPORTATION OF RETIRING MILITARY  
11 WORKING DOGS.—Upon completion of veterinary screen-  
12 ing and care for a military working dog to be retired pur-  
13 suant to subsection (f), the Secretary of the military de-  
14 partment concerned shall—

15 “(1) if the dog was at a location outside the  
16 United States immediately prior to transportation  
17 for such screening and care and a United States cit-  
18 izen or member of the armed forces living abroad  
19 agrees to adopt the dog, transport the dog to such  
20 location for adoption; or

21 “(2) for any other dog, transport the dog—

22 “(A) to the 341st Training Squadron;

23 “(B) to another location within the United  
24 States for transfer or adoption under this sec-  
25 tion.”.

1 (d) PRESERVATION OF POLICY ON TRANSFER OF  
2 MILITARY WORKING DOGS TO LAW ENFORCEMENT  
3 AGENCIES.—Subsection (h) of such section, as so redesign-  
4 nated, is amended in paragraph (3) by striking “adoption  
5 of military working dogs” and all that follows through the  
6 period at the end and inserting “transfer of military work-  
7 ing dogs to law enforcement agencies before the end of  
8 the dogs’ useful working lives.”.

9 (e) CLARIFICATION OF HORSES TREATABLE AS MILI-  
10 TARY ANIMALS.—Subsection (i) of such section, as so re-  
11 designated, is amended by striking paragraph (2) and in-  
12 serting the following new paragraph (2):

13 “(2) An equid (horse, mule, or donkey) owned  
14 by the Department of Defense.”.

15 (f) CONTRACT TERM FOR CONTRACT WORKING  
16 DOGS.—Section 2410r(a) of title 10, United States Code,  
17 is amended—

18 (1) by inserting “, and shall contain a contract  
19 term,” after “shall require”;

20 (2) by inserting “and assigned for veterinary  
21 screening and care in accordance with section 2583  
22 of this title” after “341st Training Squadron”; and

23 (3) by striking “section 2583 of this title” and  
24 inserting “such section”.

1 **SEC. 355. LIMITATION ON CONTRACTING RELATING TO DE-**  
2 **FENSE PERSONAL PROPERTY PROGRAM.**

3 (a) **CONTRACTING PROHIBITION.**—The Secretary of  
4 Defense may not enter into or award any single or mul-  
5 tiple-award contract to a single-source or multiple-vendor  
6 commercial provider for the management of the Defense  
7 Personal Property Program during the period beginning  
8 on the date of the enactment of this Act and ending on  
9 the date that is 60 days after the date on which the Comp-  
10 troller General of the United States submits to the con-  
11 gressional defense committees a report on the administra-  
12 tion of the Defense Personal Property Program, which  
13 was requested by the Committee on Armed Services of the  
14 Senate to be submitted to the congressional defense com-  
15 mittees not later than February 15, 2020.

16 (b) **REVIEW OF PROPOSALS.**—Nothing in this section  
17 shall be construed as preventing the Secretary of Defense  
18 from reviewing or evaluating any solicited or unsolicited  
19 proposals to improve the Defense Personal Property Pro-  
20 gram.

21 **SEC. 356. PROHIBITION ON SUBJECTIVE UPGRADES BY**  
22 **COMMANDERS OF UNIT RATINGS IN MONTH-**  
23 **LY READINESS REPORTING ON MILITARY**  
24 **UNITS.**

25 (a) **IN GENERAL.**—The Chairman of the Joint Chiefs  
26 of Staff shall modify Chairman of the Joint Chiefs of Staff

1 Instruction (CJCSI) 3401.02B, on Force Readiness Re-  
2 porting, to prohibit the commander of a military unit who  
3 is responsible for monthly reporting of the readiness of  
4 the unit under the instruction from making any upgrade  
5 of the overall rating of the unit (commonly referred to as  
6 the “C-rating”) for such reporting purposes based in  
7 whole or in part on subjective factors.

8 (b) WAIVER.—

9 (1) IN GENERAL.—The modification required  
10 by subsection (a) shall authorize an officer in a gen-  
11 eral or flag officer grade in the chain of command  
12 of a commander described in that subsection to  
13 waive the prohibition described in that subsection in  
14 connection with readiness reporting on the unit con-  
15 cerned if the officer considers the waiver appropriate  
16 in the circumstances.

17 (2) REPORTING ON WAIVERS.—Each report on  
18 personnel and unit readiness submitted to Congress  
19 for a calendar year quarter pursuant to section 482  
20 of title 10, United States Code, shall include infor-  
21 mation on each waiver, if any, issued pursuant to  
22 paragraph (1) during such calendar year quarter.

1 **SEC. 357. EXTENSION OF TEMPORARY INSTALLATION RE-**  
2 **UTILIZATION AUTHORITY FOR ARSENALS,**  
3 **DEPOTS, AND PLANTS.**

4 Section 345(d) of the National Defense Authorization  
5 Act for Fiscal Year 2018 (Public Law 115–91; 10 U.S.C.  
6 2667 note) is amended by striking “September 30, 2020”  
7 and inserting “September 30, 2025”.

8 **SEC. 358. CLARIFICATION OF FOOD INGREDIENT REQUIRE-**  
9 **MENTS FOR FOOD OR BEVERAGES PROVIDED**  
10 **BY THE DEPARTMENT OF DEFENSE.**

11 (a) IN GENERAL.—Before making any final rule,  
12 statement, or determination regarding the limitation or  
13 prohibition of any food or beverage ingredient in military  
14 food service, military medical foods, commissary food, or  
15 commissary food service, the Secretary of Defense shall  
16 publish in the Federal Register a notice of a preliminary  
17 rule, statement, or determination (in this section referred  
18 to as a “proposed action”) and provide opportunity for  
19 public comment.

20 (b) MATTERS TO BE INCLUDED.—The Secretary  
21 shall include in any notice published under subsection (a)  
22 the following:

23 (1) The date and contact information for the  
24 appropriate office at the Department of Defense.

25 (2) A summary of the notice.

1           (3) A date for comments to be submitted and  
2           specific methods for submitting comments.

3           (4) A description of the substance of the pro-  
4           posed action.

5           (5) Findings and a statement of reason sup-  
6           porting the proposed action.

7 **SEC. 359. TECHNICAL CORRECTION TO DEADLINE FOR**  
8                                   **TRANSITION TO DEFENSE READINESS RE-**  
9                                   **PORTING SYSTEM STRATEGIC.**

10          Section 358(c) of the John S. McCain National De-  
11          fense Authorization Act for Fiscal Year 2019 (Public Law  
12          115–232) is amended by striking “October 1, 2019” and  
13          inserting “October 1, 2020”.

14                                   **TITLE IV—MILITARY**  
15          **PERSONNEL AUTHORIZATIONS**  
16                                   **Subtitle A—Active Forces**

17 **SEC. 401. END STRENGTHS FOR ACTIVE FORCES.**

18          The Armed Forces are authorized strengths for active  
19          duty personnel as of September 30, 2020, as follows:

20                   (1) The Army, 480,000.

21                   (2) The Navy, 340,500.

22                   (3) The Marine Corps, 186,200.

23                   (4) The Air Force, 332,800.

## 1           **Subtitle B—Reserve Forces**

### 2   **SEC. 411. END STRENGTHS FOR SELECTED RESERVE.**

3           (a) IN GENERAL.—The Armed Forces are authorized  
4 strengths for Selected Reserve personnel of the reserve  
5 components as of September 30, 2020, as follows:

6           (1) The Army National Guard of the United  
7 States, 336,000.

8           (2) The Army Reserve, 189,500.

9           (3) The Navy Reserve, 59,000.

10          (4) The Marine Corps Reserve, 38,500.

11          (5) The Air National Guard of the United  
12 States, 107,700.

13          (6) The Air Force Reserve, 70,100.

14          (7) The Coast Guard Reserve, 7,000.

15          (b) END STRENGTH REDUCTIONS.—The end  
16 strengths prescribed by subsection (a) for the Selected Re-  
17 serve of any reserve component shall be proportionately  
18 reduced by—

19           (1) the total authorized strength of units orga-  
20 nized to serve as units of the Selected Reserve of  
21 such component which are on active duty (other  
22 than for training) at the end of the fiscal year; and

23           (2) the total number of individual members not  
24 in units organized to serve as units of the Selected  
25 Reserve of such component who are on active duty

1 (other than for training or for unsatisfactory partici-  
2 pation in training) without their consent at the end  
3 of the fiscal year.

4 (c) **END STRENGTH INCREASES.**—Whenever units or  
5 individual members of the Selected Reserve of any reserve  
6 component are released from active duty during any fiscal  
7 year, the end strength prescribed for such fiscal year for  
8 the Selected Reserve of such reserve component shall be  
9 increased proportionately by the total authorized strengths  
10 of such units and by the total number of such individual  
11 members.

12 **SEC. 412. END STRENGTHS FOR RESERVES ON ACTIVE**  
13 **DUTY IN SUPPORT OF THE RESERVES.**

14 Within the end strengths prescribed in section  
15 411(a), the reserve components of the Armed Forces are  
16 authorized, as of September 30, 2020, the following num-  
17 ber of Reserves to be serving on full-time active duty or  
18 full-time duty, in the case of members of the National  
19 Guard, for the purpose of organizing, administering, re-  
20 cruiting, instructing, or training the reserve components:

- 21 (1) The Army National Guard of the United  
22 States, 30,595.
- 23 (2) The Army Reserve, 16,511.
- 24 (3) The Navy Reserve, 10,155.
- 25 (4) The Marine Corps Reserve, 2,386.

1           (5) The Air National Guard of the United  
2 States, 22,637.

3           (6) The Air Force Reserve, 4,431.

4 **SEC. 413. END STRENGTHS FOR MILITARY TECHNICIANS**  
5 **(DUAL STATUS).**

6           (a) IN GENERAL.—The authorized number of mili-  
7 tary technicians (dual status) as of the last day of fiscal  
8 year 2020 for the reserve components of the Army and  
9 the Air Force (notwithstanding section 129 of title 10,  
10 United States Code) shall be the following:

11           (1) For the Army National Guard of the United  
12 States, 22,294.

13           (2) For the Army Reserve, 6,492.

14           (3) For the Air National Guard of the United  
15 States, 13,569.

16           (4) For the Air Force Reserve, 8,938.

17           (b) VARIANCE.—Notwithstanding section 115 of title  
18 10, United States Code, the end strength prescribed by  
19 subsection (a) for a reserve component specified in that  
20 subsection may be increased—

21           (1) by 3 percent, upon determination by the  
22 Secretary of Defense that such action is in the na-  
23 tional interest; and

24           (2) by 2 percent, upon determination by the  
25 Secretary of the military department concerned that

1 such action would enhance manning and readiness in  
2 essential units or in critical specialties or ratings.

3 (c) LIMITATION.—Under no circumstances may a  
4 military technician (dual status) employed under the au-  
5 thority of this section be coerced by a State into accepting  
6 an offer of realignment or conversion to any other military  
7 status, including as a member of the Active, Guard, and  
8 Reserve program of a reserve component. If a military  
9 technician (dual status) declines to participate in such re-  
10 alignment or conversion, no further action will be taken  
11 against the individual or the individual's position.

12 (d) ADJUSTMENT OF AUTHORIZED STRENGTH.—

13 (1) IN GENERAL.—If, at the end of fiscal year  
14 2019, the Air National Guard of the United States  
15 does not meet its full-time support realignment goals  
16 for such fiscal year (as presented in the justification  
17 materials of the Department of Defense in support  
18 of the budget of the President for such fiscal year  
19 under section 1105 of title 31, United States Code),  
20 the authorized number of military technicians (dual  
21 status) of the Air National Guard of the United  
22 States under subsection (a)(3) shall be increased by  
23 the number equal to difference between—

24 (A) 3,190, which is the number of military  
25 technicians (dual status) positions in the Air

1 National Guard of the United States sought to  
2 be converted to the Active, Guard, and Reserve  
3 program of the Air National Guard during fis-  
4 cal year 2019; and

5 (B) the number of realigned positions  
6 achieved in the Air National Guard by the end  
7 of fiscal year 2019.

8 (2) LIMITATION.—The increase under para-  
9 graph (1) in the authorized number of military tech-  
10 nician (dual status) positions described in that para-  
11 graph may not exceed 2,292.

12 (3) DECREASE IN AUTHORIZED NUMBER OF  
13 ANGUS RESERVES ON ACTIVE DUTY IN SUPPORT OF  
14 THE RESERVES.—In the event of an adjustment to  
15 the authorized number military technicians (dual  
16 status) of the Air National Guard of the United  
17 States under this subsection, the number of mem-  
18 bers of the Air National Guard of the United States  
19 authorized by section 412(5) to be on active duty as  
20 of September 30, 2020, shall be decreased by the  
21 number equal to the number of such adjustment.

22 (e) CERTIFICATION.—Not later than January 1,  
23 2020, the Chief of the National Guard Bureau shall cer-  
24 tify to the Committees on Armed Services of the Senate  
25 and House of Representatives the number of positions re-

1 aligned from a military technician (dual status) position  
2 to a position in the Active, Guard, and Reserve program  
3 of a reserve component in fiscal year 2019.

4 (f) DEFINITIONS.—In subsections (c), (d), and (e):

5 (1) The term “realigned position” means any  
6 military technician (dual status) position which has  
7 been converted or realigned to a position in an Ac-  
8 tive, Guard, and Reserve program of a reserve com-  
9 ponent under the full time support rebalancing plan  
10 of the Armed Force concerned, regardless of whether  
11 such position is encumbered.

12 (2) The term “Active, Guard, and Reserve pro-  
13 gram”, in the case of a reserve component, means  
14 the program of the reserve component under which  
15 Reserves serve on full-time active duty or full-time  
16 duty, in the case of members of the National Guard,  
17 for the purpose of organizing, administering, recruit-  
18 ing, instructing, or training such reserve component.

19 **SEC. 414. MAXIMUM NUMBER OF RESERVE PERSONNEL AU-**  
20 **THORIZED TO BE ON ACTIVE DUTY FOR**  
21 **OPERATIONAL SUPPORT.**

22 During fiscal year 2020, the maximum number of  
23 members of the reserve components of the Armed Forces  
24 who may be serving at any time on full-time operational

1 support duty under section 115(b) of title 10, United  
 2 States Code, is the following:

3 (1) The Army National Guard of the United  
 4 States, 17,000.

5 (2) The Army Reserve, 13,000.

6 (3) The Navy Reserve, 6,200.

7 (4) The Marine Corps Reserve, 3,000.

8 (5) The Air National Guard of the United  
 9 States, 16,000.

10 (6) The Air Force Reserve, 14,000.

11 **SEC. 415. AUTHORIZED STRENGTHS FOR MARINE CORPS**  
 12 **RESERVES ON ACTIVE DUTY.**

13 (a) OFFICERS.—Section 12011(a)(1) of title 10,  
 14 United States Code, is amended by striking that part of  
 15 the table pertaining to the Marine Corps Reserve and in-  
 16 serting the following:

17 “Marine Corps Reserve:

2,400 .....	143	105	34
2,500 .....	149	109	35
2,600 .....	155	113	36
2,700 .....	161	118	37
2,800 .....	167	122	39
2,900 .....	173	126	41
3,000 .....	179	130	42”.

18 (b) SENIOR ENLISTED MEMBERS.—Section 12012(a)  
 19 of title 10, United States Code, is amended by striking  
 20 that part of the table pertaining to the Marine Corps Re-  
 21 serve and inserting the following:

22 “Marine Corps Reserve:

2,400 .....	106	24
2,500 .....	112	25
2,600 .....	116	26
2,700 .....	121	27
2,800 .....	125	28
2,900 .....	130	29
3,000 .....	134	30".

1           (c) EFFECTIVE DATE.—The amendments made by  
 2 this section shall take effect on October 1, 2019, and shall  
 3 apply with respect to fiscal years beginning on or after  
 4 that date.

5                   **Subtitle C—Authorization of**  
 6                                   **Appropriations**

7   **SEC. 421. MILITARY PERSONNEL.**

8           (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
 9 are hereby authorized to be appropriated for fiscal year  
 10 2020 for the use of the Armed Forces and other activities  
 11 and agencies of the Department of Defense for expenses,  
 12 not otherwise provided for, for military personnel, as spec-  
 13 ified in the funding table in section 4401.

14           (b) CONSTRUCTION OF AUTHORIZATION.—The au-  
 15 thorization of appropriations in subsection (a) supersedes  
 16 any other authorization of appropriations (definite or in-  
 17 definite) for such purpose for fiscal year 2020.

1 **TITLE V—MILITARY PERSONNEL**  
2 **POLICY**  
3 **Subtitle A—Officer Personnel**  
4 **Policy**

5 **SEC. 501. REPEAL OF CODIFIED SPECIFICATION OF AU-**  
6 **THORIZED STRENGTHS OF CERTAIN COMMIS-**  
7 **SIONED OFFICERS ON ACTIVE DUTY.**

8 Effective as of October 1, 2020, the text of section  
9 523 of title 10, United States Code, is amended to read  
10 as follows:

11 “The total number of commissioned officers serving  
12 on active duty in the Army, Air Force, or Marine Corps  
13 in each of the grades of major, lieutenant colonel, or colo-  
14 nel, or in the Navy in each of the grades of lieutenant  
15 commander, commander, or captain, at the end of any fis-  
16 cal year shall be as specifically authorized by Act of Con-  
17 gress for such fiscal year.”.

18 **SEC. 502. MAKER OF ORIGINAL APPOINTMENTS IN A REG-**  
19 **ULAR OR RESERVE COMPONENT OF COMMIS-**  
20 **SIONED OFFICERS PREVIOUSLY SUBJECT TO**  
21 **ORIGINAL APPOINTMENT IN OTHER TYPE OF**  
22 **COMPONENT.**

23 (a) **MAKER OF REGULAR APPOINTMENTS IN TRANS-**  
24 **FER FROM RESERVE ACTIVE-STATUS LIST TO ACTIVE-**  
25 **DUTY LIST.**—Section 531(c) of title 10, United States

1 Code, is amended by striking “the Secretary concerned”  
2 and inserting “the Secretary of Defense”.

3 (b) MAKER OF RESERVE APPOINTMENTS IN TRANS-  
4 FER FROM ACTIVE-DUTY LIST TO RESERVE ACTIVE-STA-  
5 TUS LIST.—Subsection (b) of section 12203 of such title  
6 is amended by striking “the Secretary concerned” and in-  
7 serting “the Secretary of Defense”.

8 (c) TREATMENT OF REGULAR APPOINTMENT AS  
9 CONSTRUCTIVE RESERVE APPOINTMENT TO FACILITATE  
10 TRANSFER FROM ACTIVE DUTY LIST TO RESERVE AC-  
11 TIVE-STATUS LIST.—Such section 12203 is further  
12 amended—

13 (1) by redesignating subsection (c) as sub-  
14 section (d); and

15 (2) by inserting after subsection (b) the fol-  
16 lowing new subsection (c):

17 “(c) For purposes of appointments under this section,  
18 an officer who receives an original appointment as a reg-  
19 ular commissioned officer in a grade under section 531  
20 of this title that is made on or after the date of the enact-  
21 ment of the National Defense Authorization Act for Fiscal  
22 Year 2020 shall be deemed also to have received an origi-  
23 nal appointment as a reserve commissioned officer in such  
24 grade.”.

1 **SEC. 503. FURNISHING OF ADVERSE INFORMATION ON OF-**  
2 **FICERS TO PROMOTION SELECTION BOARDS.**

3 (a) EXPANSION OF GRADES OF OFFICERS FOR  
4 WHICH INFORMATION IS FURNISHED.—Section 615(a)(3)  
5 of title 10, United States Code, is amended—

6 (1) by inserting “(A)” after “(3)”;

7 (2) in subparagraph (A), as designated by para-  
8 graph (1), by striking “a grade above colonel or, in  
9 the case of the Navy, captain,” and inserting “a  
10 grade specified in subparagraph (B)”;

11 (3) by adding at the end the following new sub-  
12 paragraph:

13 “(B) A grade specified in this subparagraph is as fol-  
14 lows:

15 “(i) In the case of a regular officer, a grade  
16 above captain or, in the case of the Navy, lieutenant.

17 “(ii) In the case of a reserve officer, a grade  
18 above lieutenant colonel or, in the case of the Navy,  
19 commander.”.

20 (b) FURNISHING AT EVERY PHASE OF CONSIDER-  
21 ATION.—Such section is further amended by adding at the  
22 end the following new subparagraph:

23 “(C) The standards and procedures referred to in  
24 subparagraph (A) shall require the furnishing to the selec-  
25 tion board, and to each individual member of the board,  
26 the information described in that paragraph with regard

1 to an officer in a grade specified in subparagraph (B) at  
2 each stage or phase of the selection board, concurrent with  
3 the screening, rating, assessment, evaluation, discussion,  
4 or other consideration by the board or member of the offi-  
5 cial military personnel file of the officer, or of the officer.”.

6 (c) EFFECTIVE DATE.—The amendments made by  
7 this section shall take effect on the date of the enactment  
8 of this Act, and shall apply with respect to the proceedings  
9 of promotion selection boards convened under section  
10 611(a) of title 10, United States Code, after that date.

11 **SEC. 504. LIMITATION ON NUMBER OF OFFICERS REC-**  
12 **COMMENDABLE FOR PROMOTION BY PRO-**  
13 **MOTION SELECTION BOARDS.**

14 (a) IN GENERAL.—Section 616 of title 10, United  
15 States Code is amended—

16 (1) by redesignating subsections (d), (e), (f),  
17 and (g) as subsections (e), (f), (g), and (h), respec-  
18 tively; and

19 (2) by inserting after subsection (c) the fol-  
20 lowing new subsection (d):

21 “(d) The number of officers recommended for pro-  
22 motion by a selection board convened under section 611(a)  
23 of this title may not exceed the number equal to 95 per-  
24 cent of the number of officers included in the promotion

1 zone established under section 623 of this title for consid-  
 2 eration by the board.”.

3 (b) **EFFECTIVE DATE.**—The amendments made by  
 4 this section shall take effect on the date of the enactment  
 5 of this Act, and shall apply with respect to consideration  
 6 by promotion selection boards convened under section  
 7 611(a) of title 10, United States Code, of promotion zones  
 8 that are established under section 623 of that title on or  
 9 after that date.

10 **SEC. 505. EXPANSION OF AUTHORITY FOR CONTINUATION**  
 11 **ON ACTIVE DUTY OF OFFICERS IN CERTAIN**  
 12 **MILITARY SPECIALTIES AND CAREER**  
 13 **TRACKS.**

14 Section 637a(a) of title 10, United States Code, is  
 15 amended by inserting “separation or” after “provided for  
 16 the”.

17 **SEC. 506. HIGHER GRADE IN RETIREMENT FOR OFFICERS**  
 18 **FOLLOWING REOPENING OF DETERMINA-**  
 19 **TION OR CERTIFICATION OF RETIRED**  
 20 **GRADE.**

21 (a) **ADVICE AND CONSENT OF SENATE REQUIRED**  
 22 **FOR HIGHER GRADE.**—Section 1370(f) of title 10, United  
 23 States Code, is amended—

24 (1) by redesignating paragraph (5) as para-  
 25 graph (6); and

1           (2) by inserting after paragraph (4) the fol-  
2           lowing new paragraph (5):

3           “(5) If the retired grade of an officer is proposed to  
4 be increased through the reopening of the determination  
5 or certification of officer’s retired grade, the increase in  
6 the retired grade shall be made by the Secretary of De-  
7 fense, by and with the advice and consent of the Senate.”.

8           (b) RECALCULATION OF RETIRED PAY.—Paragraph  
9 (6) of such section, as redesignated by subsection (a)(1),  
10 is amended—

11           (1) by inserting “or increased” after “reduced”;

12           (2) by inserting “as a result of the reduction or  
13 increase” after “any modification of the retired pay  
14 of the officer”;

15           (3) by inserting “or increase” after “the reduc-  
16 tion”; and

17           (4) by adding at the end the following new sen-  
18 tence: “An officer whose retired grade is increased  
19 as described in the preceding sentence shall not be  
20 entitled to an increase in retired pay for any period  
21 before the effective date of the increase.”.

22           (c) EFFECTIVE DATE.—The amendments made by  
23 this section shall take effect on the date of the enactment  
24 of this Act, and shall apply to an increase in the retired  
25 grade of an officer that occurs through a reopening of the

1 determination or certification of the officer's retired grade  
2 of officer on or after that date, regardless of when the  
3 officer retired.

4 **SEC. 507. AVAILABILITY ON THE INTERNET OF CERTAIN IN-**  
5 **FORMATION ABOUT OFFICERS SERVING IN**  
6 **GENERAL OR FLAG OFFICER GRADES.**

7 (a) AVAILABILITY REQUIRED.—

8 (1) IN GENERAL.—The Secretary of each mili-  
9 tary department shall make available on an Internet  
10 website of such department available to the public  
11 information specified in paragraph (2) on each offi-  
12 cer in a general or flag officer grade under the juris-  
13 diction of such Secretary, including any such officer  
14 on the reserve active-status list.

15 (2) INFORMATION.—The information on an of-  
16 ficer specified by this paragraph to be made avail-  
17 able pursuant to paragraph (1) is the information as  
18 follows:

19 (A) The officer's name.

20 (B) The officer's current grade, duty posi-  
21 tion, command or organization, and location of  
22 assignment.

23 (C) A summary list of the officer's past  
24 duty assignments while serving in a general or  
25 flag officer grade.

1 (b) ADDITIONAL PUBLIC NOTICE ON CERTAIN OFFI-  
2 CERS.—Whenever an officer in a grade of O–7 or above  
3 is assigned to a new billet or reassigned from a current  
4 billet, the Secretary of the military department having ju-  
5 risdiction of such officer shall make available on an Inter-  
6 net website of such department available to the public a  
7 notice of such assignment or reassignment.

8 (c) LIMITATION ON WITHHOLDING OF CERTAIN IN-  
9 FORMATION OR NOTICE.—

10 (1) LIMITATION.—The Secretary of a military  
11 department may not withhold the information or no-  
12 tice specified in subsections (a) and (b) from public  
13 availability pursuant to subsection (a), unless and  
14 until the Secretary notifies the Committees on  
15 Armed Services of the Senate and the House of Rep-  
16 resentatives in writing of the information or notice  
17 that will be so withheld, together with justification  
18 for withholding the information or notice from public  
19 availability.

20 (2) LIMITED DURATION OF WITHHOLDING.—  
21 The Secretary concerned may withhold from the  
22 public under paragraph (1) information or notice on  
23 an officer only on the bases of individual risk to the  
24 officer or in the interest of national security, and  
25 may continue to withhold such information or notice

1       only for so long as the basis for withholding remains  
2       in force.

### 3       **Subtitle B—Reserve Component** 4       **Management**

5       **SEC. 511. REPEAL OF REQUIREMENT FOR REVIEW OF CER-**  
6                   **TAIN ARMY RESERVE OFFICER UNIT VA-**  
7                   **CANCY PROMOTIONS BY COMMANDERS OF**  
8                   **ASSOCIATED ACTIVE DUTY UNITS.**

9       Section 1113 of the Army National Guard Combat  
10      Readiness Reform Act of 1992 (10 U.S.C. 10105 note)  
11      is repealed.

### 12       **Subtitle C—General Service** 13       **Authorities**

14      **SEC. 515. MODIFICATION OF AUTHORITIES ON MANAGE-**  
15                   **MENT OF DEPLOYMENTS OF MEMBERS OF**  
16                   **THE ARMED FORCES AND RELATED UNIT OP-**  
17                   **ERATING AND PERSONNEL TEMPO MATTERS.**

18      (a) LIMITATION ON SCOPE OF DELEGATIONS OF AP-  
19      PROVAL OF EXCEPTIONS TO DEPLOYMENT THRESH-  
20      OLDS.—Paragraph (3) of subsection (a) of section 991 of  
21      title 10, United States Code, is amended by striking “be  
22      delegated to—” and all that follows and inserting “be del-  
23      egated to a civilian officer of the Department of Defense  
24      appointed by the President, by and with the advice and  
25      consent of the Senate.”.

1 (b) SEPARATE POLICIES ON DWELL TIME FOR REG-  
2 ULAR AND RESERVE MEMBERS.—Paragraph (4) of such  
3 subsection is amended—

4 (1) by striking “addresses the amount” and in-  
5 serting “addresses each of the following:

6 “(1) The amount”;

7 (2) in paragraph (1), as designated by para-  
8 graph (1) of this subsection, by inserting “regular”  
9 before “member”; and

10 (3) by adding at the end the following new  
11 paragraph:

12 “(2) The amount of dwell time a reserve mem-  
13 ber of the armed forces remains at the member’s  
14 permanent duty station after completing a deploy-  
15 ment of 30 days or more in length.”.

16 (c) REPEAL OF AUTHORITY TO PRESCRIBE ALTER-  
17 NATIVE DEFINITION OF “DEPLOYMENT”.—Subsection (b)  
18 of such section is amended by striking paragraph (4).

19 **SEC. 516. REPEAL OF REQUIREMENT THAT PARENTAL**  
20 **LEAVE BE TAKEN IN ONE INCREMENT.**

21 (a) IN GENERAL.—Subsection (i) of section 701 of  
22 title 10, United States Code, is amended—

23 (1) by striking paragraph (5); and

24 (2) by redesignating paragraphs (6) through  
25 (10) as paragraphs (5) through (9), respectively.

1 (b) CONFORMING AMENDMENTS.—Subsection (j)(4)  
2 of such section is amended—

3 (1) by striking “paragraphs (6) through (10)”  
4 and inserting “paragraphs (5) through (9)”; and

5 (2) by striking “paragraph (9)(B)” and insert-  
6 ing “paragraph (8)(B)”.

7 **SEC. 517. DIGITAL ENGINEERING AS A CORE COMPETENCY**  
8 **OF THE ARMED FORCES.**

9 (a) POLICY.—

10 (1) IN GENERAL.—It shall be a policy of the  
11 Department of Defense to promote and maintain  
12 digital engineering as a core competency of the civil-  
13 ian and military workforces of the Department,  
14 which policy shall be achieved by—

15 (A) the recruitment, development, and re-  
16 tention of civilian employees and members of  
17 the Armed Forces with aptitude, experience,  
18 proficient expertise, or a combination thereof in  
19 digital engineering in and to the Department;

20 (B) at the discretion of the Secretaries of  
21 the military departments, the development and  
22 maintenance of civilian and military career  
23 tracks on digital engineering, and related digital  
24 competencies (including data science, machine  
25 learning, software engineering, software product

1 management, and artificial intelligence product  
2 management) for civilian employees of the De-  
3 partment and members of the Armed Forces,  
4 including the development and maintenance of  
5 training, education, talent management, incen-  
6 tives, and promotion policies in support of  
7 members at all levels of such career tracks; and

8 (C) the development and application of ap-  
9 propriate readiness standards and metrics to  
10 measure and report on the overall capability,  
11 capacity, use, and readiness of digital engineer-  
12 ing civilian and military workforces to develop  
13 and deliver operational capabilities, leverage  
14 modern digital engineering technologies, develop  
15 advanced capabilities to support military mis-  
16 sions, and employ modern business practices.

17 (2) DIGITAL ENGINEERING.—For purposes of  
18 this section, digital engineering is the discipline and  
19 set of skills involved in the creation, processing,  
20 transmission, integration, and storage of digital  
21 data.

22 (b) RESPONSIBILITY.—Not later than 180 days after  
23 the date of the enactment of this Act, the Secretary of  
24 Defense shall appoint a civilian official of the Department  
25 of Defense, at a level no lower than Assistant Secretary

1 of Defense, for the development and discharge of the pol-  
2 icy set forth in subsection (a). The official so designated  
3 shall be known as the “Chief Digital Engineering Recruit-  
4 ment and Management Officer of the Department of De-  
5 fense” (in this section referred to as the “Officer”).

6 (c) DUTIES.—In developing and providing for the dis-  
7 charge of the policy set forth in subsection (a), the Officer  
8 shall, in consultation with the Secretaries of the military  
9 departments, do the following:

10 (1) Develop recruitment programs with various  
11 core initiatives, programs, activities, and mecha-  
12 nisms to identify and recruit civilians employees of  
13 the Department of Defense and members of the  
14 Armed Forces with demonstrated aptitude, interest,  
15 proficient expertise, or a combination thereof, in dig-  
16 ital engineering particularly, and in science, tech-  
17 nology, engineering, and mathematics (STEM) gen-  
18 erally, including initiatives, programs, activities, and  
19 mechanisms to target populations of individuals not  
20 typically aware of opportunities in the Armed Forces  
21 for a digital engineering career.

22 (2) Develop and maintain education, training,  
23 doctrine, and professional development activities to  
24 support digital engineering skills of civilian employ-

1 ees of the Department and members of the Armed  
2 Forces.

3 (3) Coordinate and synchronize digital force  
4 management activities throughout the Department,  
5 advise the Secretary of Defense on all matters per-  
6 taining to the health and readiness of digital forces,  
7 convene a Department-wide executive steering group,  
8 and submit to Congress an annual report on the  
9 readiness of digital forces and progress toward  
10 achieving the policy.

11 (4) Create a Department-wide mechanism to  
12 track digital expertise in the workforce, develop and  
13 maintain organizational policies, strategies, and  
14 plans sufficient to build, maintain, and refresh inter-  
15 nal capacity at scale, and report to the Secretary  
16 quarterly on the health and readiness of digital  
17 forces.

18 (5) Assist the military departments in design-  
19 ing, developing, and executing programs and incen-  
20 tives to retain, track, and oversee digital expertise  
21 among civilian employees of the Department and  
22 members of the Armed Forces on active duty.

23 (6) At the request of the Chief of Staff of an  
24 Armed Force, or the head of another component or  
25 element of the Department, undertake an executive

1 search for key leadership positions in digital engi-  
2 neering in such Armed Force, component, or ele-  
3 ment, and develop and deploy agile hiring and com-  
4 petitive compensation processes to fill such positions.

5 (7) Identify necessary changes in authorities,  
6 policies, resources, or a combination thereof to fur-  
7 ther the policy.

8 (8) Develop a definition for digital engineering  
9 consistent with and aligned to Department needs  
10 and processes.

11 (d) PLAN.—Not later than June 1, 2020, the Sec-  
12 retary of Defense shall submit to the Committees on  
13 Armed Services of the Senate and the House of Represent-  
14 atives a plan to meet the requirements of this section. The  
15 plan shall set forth the following:

16 (1) An identification of the Officer.

17 (2) A timeline for full implementation of the re-  
18 quirements of this section.

19 (3) A description of the career tracks author-  
20 ized by this section for both the civilian and military  
21 workforces of the Department of Defense.

22 (4) Recommendations for such legislative or ad-  
23 ministrative action as the Secretary considers appro-  
24 priate in connection with implementation of such re-  
25 quirements.

1 **SEC. 518. MODIFICATION OF NOTIFICATION ON MANNING**  
2 **OF AFLOAT NAVAL FORCES.**

3 (a) **TIMING OF NOTIFICATION.**—Subsection (a) of  
4 section 525 of the John S. McCain National Defense Au-  
5 thorization Act for Fiscal Year 2019 (Public Law 115–  
6 232) is amended—

7 (1) in the matter preceding paragraph (1), by  
8 striking “not later than 15 days after any of the fol-  
9 lowing conditions are met:” and inserting “not later  
10 than 30 days after the end of each fiscal year quar-  
11 ter, of each covered ship (if any) that, as of the last  
12 day of such fiscal year quarter, met either condition  
13 as follows:”; and

14 (2) in paragraphs (1) and (2), by striking “is  
15 less” and inserting “was less”.

16 (b) **DEFINITIONS OF MANNING FIT AND MANNING**  
17 **FILL.**—Subsection (d) of such section is amended in para-  
18 graphs (1) and (2) by striking “the billets authorized” and  
19 inserting “the ship manpower document requirement.”.

20 **SEC. 519. REPORT ON EXPANSION OF THE CLOSE AIRMAN**  
21 **SUPPORT TEAM APPROACH OF THE AIR**  
22 **FORCE TO THE OTHER ARMED FORCES.**

23 (a) **REPORT REQUIRED.**—Not later than 180 days  
24 after the date of the enactment of this Act, the Secretaries  
25 of the military departments shall jointly submit to the  
26 Committees on Armed Services of the Senate and the

1 House of Representatives a report setting forth an assess-  
2 ment of the Secretaries of the feasibility and advisability  
3 of expanding the Close Airman Support (CAS) team ap-  
4 proach of the Air Force to the other Armed Forces under  
5 the jurisdiction of such Secretaries.

6 (b) CLOSE AIRMAN SUPPORT TEAM APPROACH.—  
7 The Close Airman Support team approach of the Air  
8 Force referred to in subsection (a) is an approach by  
9 which personnel associated with an Air Force squadron,  
10 and led by a senior enlisted member of the squadron, take  
11 actions to improve relationships and communication  
12 among members of the squadron in order to promote posi-  
13 tive social behaviors among such members as a squadron,  
14 including an embrace of proactive pursuit of needed assist-  
15 ance.

16 (c) SCOPE OF REPORT.—If the Secretaries determine  
17 that expansion of the Close Airman Support team ap-  
18 proach to the other Armed Forces is feasible and advis-  
19 able, the report under subsection (a) shall include a de-  
20 scription of the manner in which the approach will be car-  
21 ried out in the other Armed Forces, including the manner,  
22 if any, in which the approach will be modified in the other  
23 Armed Forces to take into account the unique cir-  
24 cumstances of such Armed Forces.

1     **Subtitle D—Military Justice and**  
2                     **Related Matters**

3     **PART I—MATTERS RELATING TO INVESTIGA-**  
4             **TION, PROSECUTION, AND DEFENSE OF SEX-**  
5             **UAL ASSAULT GENERALLY**

6     **SEC. 521. DEPARTMENT OF DEFENSE-WIDE POLICY AND**  
7                     **MILITARY DEPARTMENT-SPECIFIC PRO-**  
8                     **GRAMS ON REINVIGORATION OF THE PRE-**  
9                     **VENTION OF SEXUAL ASSAULT INVOLVING**  
10                    **MEMBERS OF THE ARMED FORCES.**

11         (a) **POLICY REQUIRED.**—Not later than 180 days  
12 after the date of the enactment of this Act, the Secretary  
13 of Defense shall develop and issue a comprehensive policy  
14 for the Department to reinvigorate the prevention of sex-  
15 ual assault involving members of the Armed Forces.

16         (b) **POLICY ELEMENTS.**—

17             (1) **IN GENERAL.**—The policy required by sub-  
18 section (a) shall include the following:

19                 (A) Education and training for members of  
20 the Armed Forces on the prevention of sexual  
21 assault.

22                 (B) Elements for programs designed to en-  
23 courage and promote healthy relationships  
24 among members of the Armed Forces.

1 (C) Elements for programs designed to  
2 empower and enhance the role of non-commis-  
3 sioned officers in the prevention of sexual as-  
4 sault.

5 (D) Elements for programs to foster social  
6 courage among members of the Armed Forces  
7 to encourage and promote intervention in situa-  
8 tions in order to prevent sexual assault.

9 (E) Processes and mechanisms designed to  
10 address behaviors among members of the  
11 Armed Forces that are included in the con-  
12 tinuum of harm that frequently results in sex-  
13 ual assault.

14 (F) Elements for programs designed to ad-  
15 dress alcohol abuse, including binge drinking,  
16 among members of the Armed Forces.

17 (G) Such other elements, processes, mech-  
18 anisms, and other matters as the Secretary of  
19 Defense considers appropriate.

20 (2) CONTINUUM OF HARM RESULTING IN SEX-  
21 UAL ASSAULT.—For purposes of paragraph (1)(E),  
22 the continuum of harm that frequently results in  
23 sexual assault includes hazing, sexual harassment,  
24 and related behaviors (including language choices,  
25 off-hand statements, jokes, and unconscious atti-

1 tudes or biases) that create a permissive climate for  
2 sexual assault.

3 (c) PROGRAMS REQUIRED.—Not later than 180 days  
4 after the issuance of the policy required by subsection (a),  
5 each Secretary of a military department shall develop and  
6 implement for each Armed Force under the jurisdiction  
7 of such Secretary a program to reinvigorate the prevention  
8 of sexual assaults involving members of the Armed Forces.  
9 Each program shall include the elements, processes, mech-  
10 anisms, and other matters developed by the Secretary of  
11 Defense pursuant to subsection (a) tailored to the require-  
12 ments and circumstances of the Armed Force or Armed  
13 Forces concerned.

14 **SEC. 522. ENACTMENT AND EXPANSION OF POLICY ON**  
15 **WITHHOLDING OF INITIAL DISPOSITION AU-**  
16 **THORITY FOR CERTAIN OFFENSES UNDER**  
17 **THE UNIFORM CODE OF MILITARY JUSTICE.**

18 (a) INITIAL DISPOSITION AUTHORITY.—

19 (1) IN GENERAL.—Except as provided in para-  
20 graph (2), the proper authority for a determination  
21 of disposition of reported offenses with respect to  
22 any offense specified in subsection (b) shall be an of-  
23 ficer in a grade not below the grade of O-6 in the  
24 chain of command of the subject who is authorized

1 by chapter 47 of such title (the Uniform Code of  
2 Military Justice) to convene special courts-martial.

3 (2) AUTHORITY WHEN SUBJECT AND VICTIM  
4 ARE IN DIFFERENT CHAINS OF COMMAND.—If the  
5 victim of an offense specified in subsection (b) is in  
6 a different chain of command than the subject, the  
7 proper authority under paragraph (1), for any re-  
8 ported offenses in connection with misconduct of the  
9 victim arising out of the incident in which the of-  
10 fense is alleged to have occurred, shall be an officer  
11 described in that paragraph in the chain of com-  
12 mand of the victim.

13 (3) CONSTRUCTION.—Nothing in this sub-  
14 section shall be construed—

15 (A) to prohibit the preferral of charges by  
16 an authorized person under section 830(a)(1) of  
17 title 10, United States Code (article 30(a)(1) of  
18 the Uniform code of Military Justice), with re-  
19 spect to the offenses specified in subsection (b),  
20 and the forwarding of such charges as so pre-  
21 ferred to the proper authority under paragraph  
22 (1) with a recommendation as disposition; or

23 (B) to prohibit an officer in a grade below  
24 the grade of O-6 from advising an officer de-  
25 scribed in paragraph (1) who is making a deter-

1           mination described in that paragraph with re-  
2           spect to the disposition of the offenses involved.

3           (b) COVERED OFFENSES.—An offense specified in  
4 this subsection is any offense as follows:

5           (1) An offense under section 893 of title 10,  
6           United States Code (article 93 of the Uniform Code  
7           of Military Justice), relating to cruelty and maltreat-  
8           ment, if the offense constitutes sexual harassment.

9           (2) An offense under section 893a of title 10,  
10          United States Code (article 93a of the Uniform  
11          Code of Military Justice), relating to prohibited ac-  
12          tivity with a military recruit or trainee by a person  
13          in a position of special trust.

14          (3) An offense under section 918 of title 10,  
15          United States Code (article 118 of the Uniform  
16          Code of Military Justice), relating to murder, if the  
17          offense is committed in connection with family abuse  
18          or other domestic violence.

19          (4) An offense under section 919 of title 10,  
20          United States Code (article 119 of the Uniform  
21          Code of Military Justice), relating to manslaughter,  
22          if the offense is committed in connection with family  
23          abuse or other domestic violence.

24          (5) An offense under section 919a of title 10,  
25          United States Code (article 119a of the Uniform

1 Code of Military Justice), relating to death or injury  
2 of an unborn child, if the offense is committed in  
3 connection with family abuse or other domestic vio-  
4 lence.

5 (6) An offense under section 919b of title 10,  
6 United States Code (article 119b of the Uniform  
7 Code of Military Justice), relating to child  
8 endangerment, if the offense is committed in connec-  
9 tion with family abuse or other domestic violence.

10 (7) An offense under section 920 of title 10,  
11 United States Code (article 120 of the Uniform  
12 Code of Military Justice), relating to rape and sex-  
13 ual assault generally.

14 (8) An offense under section 920b of title 10,  
15 United States Code (article 120b of the Uniform  
16 Code of Military Justice), relating to rape and sex-  
17 ual assault of a child.

18 (9) An offense under section 920c of title 10,  
19 United States Code (article 120c of the Uniform  
20 Code of Military Justice), relating to other sexual  
21 misconduct.

22 (10) An offense under section 925 of title 10,  
23 United States Code (article 125 of the Uniform  
24 Code of Military Justice), relating to kidnapping, if

1 the offense is committed in connection with family  
2 abuse or other domestic violence.

3 (11) An offense under section 928 of title 10,  
4 United States Code (article 128 of the Uniform  
5 Code of Military Justice), relating to aggravated as-  
6 sault, if the offense is committed in connection with  
7 family abuse or other domestic violence.

8 (12) An offense under section 928a of title 10,  
9 United States Code (article 128a of the Uniform  
10 Code of Military Justice), relating to maiming, if the  
11 offense is committed in connection with family abuse  
12 or other domestic violence.

13 (13) An offense under section 928b of title 10,  
14 United States Code (article 128b of the Uniform  
15 Code of Military Justice), relating to domestic vio-  
16 lence.

17 (14) An offense under section 930 of title 10,  
18 United States Code (article 130 of the Uniform  
19 Code of Military Justice), relating to stalking, if the  
20 offense is committed in connection with family abuse  
21 or other domestic violence.

22 (15) An offense under section 932 of title 10,  
23 United States Code (article 132 of the Uniform  
24 Code of Military Justice), relating to retaliation.

1           (16) An offense under section 934 of title 10,  
2           United States Code (article 134 of the Uniform  
3           Code of Military Justice), if the offense relates to  
4           child pornography.

5           (17) An offense under section 934 of title 10,  
6           United States Code (article 134 of the Uniform  
7           Code of Military Justice), if the offense—

8                   (A) relates to animal abuse; and

9                   (B) is committed in connection with family  
10           abuse or other domestic violence,

11           (18) An offense under section 934 of title 10,  
12           United States Code (article 134 of the Uniform  
13           Code of Military Justice), if the offense—

14                   (A) relates to negligent homicide; and

15                   (B) is committed in connection with family  
16           abuse or other domestic violence.

17           (19) An attempt to commit an offense specified  
18           in a paragraph (1) through (18) as punishable under  
19           section 880 of title 10, United States Code (article  
20           80 of the Uniform Code of Military Justice).

21           (c) SCOPE OF DISPOSITION AUTHORITY WITH RE-  
22           SPECT TO PARTICULAR OFFENSES.—The authority in  
23           subsection (a) of an officer to make a disposition deter-  
24           mination described in that subsection with respect to any  
25           offense specified in subsection (b) extends to a determina-

1 tion of disposition with respect to any other offenses  
2 against the subject arising out of the incident in which  
3 the offense is alleged to have occurred.

4 (d) SCOPE OF DISPOSITION DETERMINATIONS.—Ex-  
5 cept for an offense specified in section 818(c) of title 10,  
6 United States Code (article 18(c) of the Uniform Code of  
7 Military Justice), of which only general courts-martial  
8 have jurisdiction, the disposition determinations permis-  
9 sible in the exercise of the authority under this section  
10 with respect to charges and specifications are as follows:

11 (1) No action.

12 (2) Administrative action.

13 (3) Imposition of non-judicial punishment.

14 (4) Preferral of charges.

15 (5) If such charges and specifications were pre-  
16 ferred from a subordinate, dismissal of charges or  
17 referral to court-martial for trial.

18 (6) Forwarding to a superior or subordinate au-  
19 thority for further disposition.

20 (e) REVIEW OF CERTAIN DISPOSITION DETERMINA-  
21 TIONS.—

22 (1) INITIAL REVIEW AND RECOMMENDATION.—

23 If a disposition determination under this section  
24 with respect to an offense is for a disposition speci-  
25 fied in paragraph (1), (2), or (3) of subsection (d)

1 and the legal advisor to the officer making the dis-  
2 position determination has recommended a disposi-  
3 tion specified in paragraph (4), (5), or (6) of that  
4 subsection, a Special Victim Prosecutor (SVP), Sen-  
5 ior Trial Counsel (STC), or Regional Trial Counsel  
6 (RTC) not in the chain of command of the officer  
7 making the disposition determination shall—

8 (A) review the disposition determination;

9 and

10 (B) recommend to the staff judge advocate

11 in the chain of command whether to endorse or  
12 supersede the disposition determination.

13 (2) SJA REVIEW AND ADVICE.—Upon comple-  
14 tion of a review of a recommendation under para-  
15 graph (1)(B), the staff judge advocate concerned  
16 shall advise the next superior commander in the  
17 chain of command of the officer making the original  
18 disposition determination whether such disposition  
19 determination should be endorsed or superseded.

20 (3) FINAL DISPOSITION DETERMINATION.—

21 After considering advice under paragraph (2) with  
22 respect to an original disposition determination, the  
23 superior commander concerned shall—

24 (A) make a new disposition determination

25 with respect to the offenses concerned; or

1 (B) endorse the original disposition deter-  
2 mination for appropriate further action.

3 (f) TRAINING.—

4 (1) IN GENERAL.—The training provided to  
5 commissioned officers of the Armed Forces in grades  
6 O–6 and above on the exercise of authority pursuant  
7 to this section for determinations of the disposition  
8 of an offense specified in subsection (b) shall include  
9 specific training on such matters in connection with  
10 sexual harassment, sexual assault, and family abuse  
11 and domestic violence as the Secretary of Defense  
12 considers appropriate to make informed disposition  
13 determinations under such authority.

14 (2) CONSTRUCTION.—Nothing in this sub-  
15 section shall be construed to deprive a court-martial  
16 of jurisdiction based on the level or amount of train-  
17 ing received by the disposition authority pursuant to  
18 this section.

19 (g) MANUAL FOR COURTS-MARTIAL.—The President  
20 shall implement the requirement of this section into the  
21 Manual for Courts-Martial in accordance with section 836  
22 of title 10, United States Code (article 36 of the Uniform  
23 Code of Military Justice).

1 **SEC. 523. TRAINING FOR SEXUAL ASSAULT INITIAL DIS-**  
2 **POSITION AUTHORITIES ON EXERCISE OF**  
3 **DISPOSITION AUTHORITY FOR SEXUAL AS-**  
4 **SAULT AND COLLATERAL OFFENSES.**

5 (a) IN GENERAL.—The training for Sexual Assault  
6 Initial Disposition Authorities (SAIDAs) on the exercise  
7 of disposition authority under chapter 47, United States  
8 Code (the Uniform Code of Military Justice), with respect  
9 to cases for which disposition authority is withheld to such  
10 Authorities by the April 20, 2012, memorandum of the  
11 Secretary of Defense, or any successor memorandum, shall  
12 include comprehensive training on the exercise by such  
13 Authorities of such authority with respect to such cases  
14 in order to enhance the capabilities of such Authorities  
15 in the exercise of such authority and thereby promote con-  
16 fidence and trust in the military justice process with re-  
17 spect to such cases.

18 (b) MEMORANDUM OF SECRETARY OF DEFENSE.—  
19 The April 20, 2012, memorandum of the Secretary of De-  
20 fense referred to in subsection (a) is the memorandum of  
21 the Secretary of Defense entitled “Withholding Initial Dis-  
22 position Authority Under the Uniform Code of Military  
23 Justice in Certain Sexual Assault Cases” and dated April  
24 20, 2012.

1 **SEC. 524. EXPANSION OF RESPONSIBILITIES OF COM-**  
2 **MANDERS FOR VICTIMS OF SEXUAL ASSAULT**  
3 **COMMITTED BY ANOTHER MEMBER OF THE**  
4 **ARMED FORCES.**

5 (a) NOTIFICATION OF VICTIMS OF EVENTS IN MILI-  
6 TARY JUSTICE PROCESS.—

7 (1) NOTIFICATION REQUIRED.—Except as pro-  
8 vided in paragraph (2), the commander of a member  
9 of the Armed Forces who is the victim of an alleged  
10 sexual assault committed by another member of the  
11 Armed Forces (whether or not such other member is  
12 in the command of such commander) shall provide  
13 notification to such victim of every key or other sig-  
14 nificant event in the military justice process in con-  
15 nection with the investigation, prosecution, and con-  
16 finement of such other member for alleged sexual as-  
17 sault.

18 (2) ELECTION OF VICTIM NOT TO RECEIVE.—  
19 A commander is not required by paragraph (1) to  
20 provide notifications to a victim as described in that  
21 paragraph if the victim elects not to be provided  
22 such notifications.

23 (3) DOCUMENTATION.—Each commander de-  
24 scribed in paragraph (1) shall create and maintain  
25 appropriate documentation on the following:

1           (A) Any notification provided as described  
2           in paragraph (1).

3           (B) Any election made pursuant to para-  
4           graph (2).

5           (b) DOCUMENTATION OF VICTIM'S PREFERENCE ON  
6 JURISDICTION IN PROSECUTION.—In the case of a mem-  
7 ber of the Armed Forces who is the victim of an alleged  
8 sexual assault committed by another member of the  
9 Armed Forces who is subject to prosecution for such al-  
10 leged offense both by court-martial under chapter 47 of  
11 title 10, United States Code (the Uniform Code of Military  
12 Justice), and by a civilian court under Federal or State  
13 law, the commander of such victim shall create and main-  
14 tain appropriate documentation of the expressed pref-  
15 erence, if any, of such victim for prosecution of such al-  
16 leged offense by court-martial or by a civilian court as pro-  
17 vided for by Rule 306(e) of the Rules for Court-Martial.

18           (c) REGULATIONS.—The Secretary of Defense shall  
19 prescribe in regulations the requirements applicable to  
20 each of the following:

21           (1) Notifications under subsection (a)(1).

22           (2) Elections under subsection (a)(2).

23           (3) Documentation under subsection (a)(3).

24           (4) Documentation under subsection (b).

1 **SEC. 525. TRAINING FOR COMMANDERS IN THE ARMED**  
2 **FORCES ON THEIR ROLE IN ALL STAGES OF**  
3 **MILITARY JUSTICE IN CONNECTION WITH**  
4 **SEXUAL ASSAULT.**

5 (a) IN GENERAL.—The training provided com-  
6 manders in the Armed Forces shall include comprehensive  
7 training on the role of commanders in all stages of mili-  
8 tary justice in connection with sexual assaults by members  
9 of the Armed Forces.

10 (b) ELEMENTS TO BE COVERED.—The training pro-  
11 vided pursuant to subsection (a) shall include training on  
12 the following:

13 (1) The role of commanders in each stage of  
14 the military justice process in connection with sexual  
15 assault committed by a member of the Armed  
16 Forces, including investigation and prosecution.

17 (2) The role of commanders in assuring that  
18 victims in sexual assault described in paragraph (1)  
19 are informed of, and have the opportunity to obtain,  
20 assistance available for victims of sexual assault by  
21 law.

22 (3) The role of commanders in assuring that  
23 victims in sexual assault described in paragraph (1)  
24 are afforded the due process rights and protections  
25 available to victims by law.

1           (4) The role of commanders in preventing retal-  
2           iation against victims, their family members, wit-  
3           nesses, first responders, and bystanders for their  
4           their complaints, statements, testimony, and status  
5           in connection with sexual assault described in para-  
6           graph (1), including the role of commanders in en-  
7           suring that subordinates in the command are aware  
8           of their responsibilities in preventing such retalia-  
9           tion.

10           (5) The role of commanders in establishing and  
11           maintaining a healthy command climate in connec-  
12           tion with reporting on sexual assault described in  
13           paragraph (1) and in the response of the com-  
14           mander, subordinates in the command, and other  
15           personnel in the command to such sexual assault,  
16           such reporting, and the military justice process in  
17           connection with such sexual assault.

18           (6) Any other matters on the role of com-  
19           manders in connection with sexual assault described  
20           in paragraph (1) that the Secretary of Defense con-  
21           siders appropriate for purposes of this section.

22           (c) INCORPORATION OF BEST PRACTICES.—

23           (1) IN GENERAL.—The training provided pur-  
24           suant to subsection (a) shall incorporate best prac-  
25           tices on all matters covered by the training.



1 non-judicial punishment under section 815 of such title  
2 (article 15 of the Uniform Code of Military Justice), other  
3 administrative action, or no further action. Such notifica-  
4 tions shall continue not less frequently than monthly until  
5 such final determination.

6 **SEC. 527. SAFE TO REPORT POLICY APPLICABLE ACROSS**  
7 **THE ARMED FORCES.**

8 (a) **IN GENERAL.**—The Secretary of Defense shall,  
9 in consultation with the Secretaries of the military depart-  
10 ments and the Secretary of Homeland Security, prescribe  
11 in regulations a safe to report policy described in sub-  
12 section (b) that applies with respect to all members of the  
13 Armed Forces (including members of the reserve compo-  
14 nents of the Armed Forces) and cadets and midshipmen  
15 at the military service academies.

16 (b) **SAFE TO REPORT POLICY.**—The safe to report  
17 policy described in this subsection is a policy under which  
18 a member of the Armed Forces who is the victim of an  
19 alleged sexual assault, but who may have committed minor  
20 collateral misconduct at or about the time of such alleged  
21 sexual assault, or whose minor collateral misconduct is  
22 discovered only as a result of the investigation into such  
23 alleged sexual assault, may report such alleged sexual as-  
24 sault to proper authorities without fear or receipt of dis-  
25 cipline in connection with such minor collateral mis-

1 conduct absent aggravating circumstances that increase  
2 the gravity of the minor collateral misconduct or its im-  
3 pact on good order and discipline.

4 (c) MINOR COLLATERAL MISCONDUCT.—For pur-  
5 poses of the safe to report policy, minor collateral mis-  
6 conduct shall include any of the following:

7 (1) Improper use or possession of alcohol.

8 (2) Consensual intimate behavior (including  
9 adultery) or fraternization.

10 (3) Presence in an off-limits area.

11 (4) Such other misconduct as the Secretary of  
12 Defense shall specify in the regulations under sub-  
13 section (a).

14 (d) AGGRAVATING CIRCUMSTANCES.—The regula-  
15 tions under subsection (a) shall specify aggravating cir-  
16 cumstances that increase the gravity of minor collateral  
17 misconduct or its impact on good order and discipline for  
18 purposes of the safe to report policy.

19 **SEC. 528. REPORT ON EXPANSION OF AIR FORCE SAFE TO**  
20 **REPORT POLICY ACROSS THE ARMED**  
21 **FORCES.**

22 (a) REPORT.—Not late than 180 days after the date  
23 of the enactment of this Act, the Secretary of Defense  
24 shall, in consultation with the Secretaries of the military  
25 departments and the Secretary of Homeland Security,

1 submit to the Committees on Armed Services of the Sen-  
2 ate and the House of Representatives a report setting  
3 forth an assessment of the feasibility and advisability of  
4 expanding the applicability of the safe to report policy de-  
5 scribed in subsection (b) so that the policy applies across  
6 the Armed Forces.

7 (b) SAFE TO REPORT POLICY.—The safe to report  
8 policy described in this subsection is the policy, currently  
9 applicable in the Air Force alone, under which a member  
10 of the Armed Forces who is the victim of an alleged sexual  
11 assault committed by another member of the Armed  
12 Forces, but who may have committed minor collateral mis-  
13 conduct at or about the time of such alleged sexual as-  
14 sault, or whose minor collateral misconduct at or about  
15 such time is discovered only as a result of the investigation  
16 into such alleged sexual assault, may report such alleged  
17 sexual assault to proper authorities without fear or receipt  
18 of discipline in connection with such minor collateral mis-  
19 conduct.

20 **SEC. 529. PROPOSAL FOR SEPARATE PUNITIVE ARTICLE IN**  
21 **THE UNIFORM CODE OF MILITARY JUSTICE**  
22 **ON SEXUAL HARASSMENT.**

23 Not later than 180 days after the date of the enact-  
24 ment of this Act, the Joint Service Committee on Military  
25 Justice shall submit to the Committees on Armed Services

1 of the Senate and the House of Representatives a report  
 2 setting forth recommendations for legislative and adminis-  
 3 trative action required to establish a separate punitive ar-  
 4 ticle in chapter 47 of title 10, United States Code (the  
 5 Uniform Code of Military Justice), on sexual harassment.

6 **SEC. 530. TREATMENT OF INFORMATION IN CATCH A SE-**  
 7 **RIAL OFFENDER PROGRAM FOR CERTAIN**  
 8 **PURPOSES.**

9 (a) EXCLUSION FROM FOIA.—Section 552 of title  
 10 5, United States Code (commonly referred to as the  
 11 “Freedom of Information Act”), shall not apply to any  
 12 report for purposes of the Catch a Serial Offender  
 13 (CATCH) Program.

14 (b) PRESERVATION OF RESTRICTED REPORT.—The  
 15 transmittal or receipt in connection with the Catch a Se-  
 16 rial Offender Program of a report on a sexual assault that  
 17 is treated as a restricted report shall not operate to termi-  
 18 nate its treatment or status as a restricted report.

19 **SEC. 531. REPORT ON PRESERVATION OF RECOURSE TO**  
 20 **RESTRICTED REPORT ON SEXUAL ASSAULT**  
 21 **FOR VICTIMS OF SEXUAL ASSAULT FOL-**  
 22 **LOWING CERTAIN VICTIM OR THIRD-PARTY**  
 23 **COMMUNICATIONS.**

24 (a) REPORT REQUIRED.—Not later than 180 days  
 25 after the date of the enactment of this Act, the Secretary

1 of Defense shall submit to the Committees on Armed Serv-  
2 ices of the Senate and the House of Representatives a re-  
3 port making findings and recommendations on the feasi-  
4 bility and advisability of a policy for the Department of  
5 Defense that would permit a victim of a sexual assault,  
6 that is or may be investigated as a result of a communica-  
7 tion described in subsection (b), which victim is a member  
8 of the Armed Forces or an adult dependent of a member  
9 of the Armed Forces, to have the reporting on the sexual  
10 assault be treated as a restricted report without regard  
11 to the party initiating or receiving such communication.

12 (b) COMMUNICATIONS.—A communication described  
13 in this subsection is a communication reporting a sexual  
14 assault as follows:

15 (1) By the victim to a member of the Armed  
16 Forces, whether a commissioned officer or a non-  
17 commissioned officer, in the chain of command of  
18 the victim or the victim's military sponsor.

19 (2) By the victim to military law enforcement  
20 personnel or personnel of a military criminal inves-  
21 tigative organization (MCIO).

22 (3) By any individual other than victim.

23 (c) SCOPE OF FINDINGS AND RECOMMENDATIONS.—  
24 The report required by subsection (a) may include rec-  
25 ommendations for new provisions of statute or regulations,

1 or modification of current statute or regulations, that may  
 2 be required to put into effect the findings and rec-  
 3 ommendations described in subsection (a).

4 (d) CONSULTATION.—In preparing the report re-  
 5 quired by subsection (a), the Secretary shall consult with  
 6 the Defense Advisory Committee on Investigation, Pros-  
 7 ecution, and Defense of Sexual Assault in the Armed  
 8 Forces (DAC–IPAD) under section 546 of the Carl Levin  
 9 and Howard P. “Buck” McKeon National Defense Au-  
 10 thorization Act for Fiscal Year 2015 (10 U.S.C. 1561  
 11 note).

12 **SEC. 532. AUTHORITY FOR RETURN OF PERSONAL PROP-**  
 13 **ERTY TO VICTIMS OF SEXUAL ASSAULT WHO**  
 14 **FILE A RESTRICTED REPORT BEFORE CON-**  
 15 **CLUSION OF RELATED PROCEEDINGS.**

16 Section 586 of the National Defense Authorization  
 17 Act for Fiscal Year 2012 (10 U.S.C. 1561 note) is amend-  
 18 ed—

19 (1) by redesignating subsection (f) as sub-  
 20 section (e);

21 (2) in subsection (e), as so redesignated, in the  
 22 subsection heading, by inserting “IN UNRESTRICTED  
 23 REPORTING CASES” after “PROCEEDINGS”; and

24 (3) by adding at the end the following new sub-  
 25 section:

1       “(f) RETURN OF PERSONAL PROPERTY IN RE-  
2 STRICTED REPORTING CASES.—(1) The Secretary of De-  
3 fense shall prescribe procedures under which a victim who  
4 files a restricted report on an incident of sexual assault  
5 may request, at any time, the return of any personal prop-  
6 erty of the victim obtained as part of the sexual assault  
7 forensic examination.

8       “(2) The procedures shall ensure that—

9           “(A) a request of a victim under paragraph (1)  
10       may be made on a confidential basis and without af-  
11       fecting the restricted nature of the restricted report;  
12       and

13           “(B) at the time of the filing of the restricted  
14       report, a Sexual Assault Response Coordinator or  
15       Sexual Assault Prevention and Response Victim Ad-  
16       vocate—

17           “(i) informs the victim that the victim may  
18       request the return of personal property as de-  
19       scribed in paragraph (1); and

20           “(ii) advises the victim that such a request  
21       for the return of personal property may nega-  
22       tively impact a subsequent case adjudication, if  
23       the victim later decides to convert the restricted  
24       report to an unrestricted report.

1 “(3) Except with respect to personal property re-  
 2 turned to a victim under this subsection, nothing in this  
 3 subsection shall affect the requirement to retain a sexual  
 4 assault forensic examination (SAFE) kit for the period  
 5 specified in subsection (c)(4)(A).”.

6 **SEC. 533. EXTENSION OF DEFENSE ADVISORY COMMITTEE**  
 7 **ON INVESTIGATION, PROSECUTION, AND DE-**  
 8 **FENSE OF SEXUAL ASSAULT IN THE ARMED**  
 9 **FORCES.**

10 Section 546(f)(1) of the Carl Levin and Howard P.  
 11 “Buck” McKeon National Defense Authorization Act for  
 12 Fiscal Year 2015 (10 U.S.C. 1561 note) is amended by  
 13 striking “five” and inserting “ten”.

14 **SEC. 534. DEFENSE ADVISORY COMMITTEE FOR THE PRE-**  
 15 **VENTION OF SEXUAL MISCONDUCT.**

16 (a) ESTABLISHMENT REQUIRED.—

17 (1) IN GENERAL.—The Secretary of Defense  
 18 shall establish and maintain within the Department  
 19 of Defense an advisory committee to be known as  
 20 the “Defense Advisory Committee for the Prevention  
 21 of Sexual Misconduct” (in this section referred to as  
 22 the “Advisory Committee”).

23 (2) DEADLINE FOR ESTABLISHMENT.—The  
 24 Secretary shall establish the Advisory Committee not

1 later than 180 days after the date of the enactment  
2 of this Act.

3 (b) MEMBERSHIP.—

4 (1) IN GENERAL.—The Advisory Committee  
5 shall consist of not more than 20 members, ap-  
6 pointed by the Secretary from among individuals  
7 who have an expertise appropriate for the work of  
8 the Advisory Committee, including at least one indi-  
9 vidual with each expertise as follows:

10 (A) Expertise in the prevention of sexual  
11 assault and behaviors on the sexual assault con-  
12 tinuum of harm.

13 (B) Expertise in the prevention of suicide.

14 (C) Expertise in the change of culture of  
15 large organizations.

16 (D) Expertise in implementation science.

17 (2) BACKGROUND OF INDIVIDUALS.—Individ-  
18 uals appointed to the Advisory Committee may in-  
19 clude individuals with expertise in sexual assault  
20 prevention efforts of institutions of higher education,  
21 public health officials, and such other individuals as  
22 the Secretary considers appropriate.

23 (3) PROHIBITION ON MEMBERSHIP OF MEM-  
24 BERS OF ARMED FORCES ON ACTIVE DUTY.—A  
25 member of the Armed Forces serving on active duty

1 may not serve as a member of the Advisory Com-  
2 mittee.

3 (c) DUTIES.—

4 (1) IN GENERAL.—The Advisory Committee  
5 shall advise the Secretary on the following:

6 (A) The prevention of sexual assault (in-  
7 cluding rape, forcible sodomy, other sexual as-  
8 sault, and other sexual misconduct (including  
9 behaviors on the sexual assault continuum of  
10 harm)) involving members of the Armed Forces.

11 (B) The policies, programs, and practices  
12 of each military department, each Armed Force,  
13 and each military service academy for the pre-  
14 vention of sexual assault as described in sub-  
15 paragraph (A).

16 (2) BASIS FOR PROVISION OF ADVICE.—For  
17 purposes of providing advice to the Secretary pursu-  
18 ant to this subsection, the Advisory Committee shall  
19 review, on an ongoing basis, the following:

20 (A) Cases involving allegations of sexual  
21 assault described in paragraph (1).

22 (B) Efforts of institutions of higher edu-  
23 cation to prevent sexual assault among stu-  
24 dents.

1           (C) Any other information or matters that  
2           the Advisory Committee or the Secretary con-  
3           siders appropriate.

4           (3) COORDINATION OF EFFORTS.—In addition  
5           to the reviews required by paragraph (2), for pur-  
6           poses of providing advice to the Secretary the Advi-  
7           sory Committee shall also consult and coordinate  
8           with the Defense Advisory Committee on Investiga-  
9           tion, Prosecution, and Defense of Sexual Assault in  
10          the Armed Forces (DAC-IPAD) on matters of joint  
11          interest to the two Advisory Committees.

12          (d) ANNUAL REPORT.—Not later than March 30  
13          each year, the Advisory Committee shall submit to the  
14          Secretary and the Committees on Armed Services of the  
15          Senate and the House of Representatives a report on the  
16          activities of the Advisory Committee pursuant to this sec-  
17          tion during the preceding year.

18          (e) SEXUAL ASSAULT CONTINUUM OF HARM.—In  
19          this section, the term “sexual assault continuum of harm”  
20          includes—

21               (1) inappropriate actions (such as sexist jokes),  
22               sexual harassment, gender discrimination, hazing,  
23               cyber bullying, or other behavior that contributes to  
24               a culture that is tolerant of, or increases risk for,  
25               sexual assault; and

1           (2) maltreatment or ostracism of a victim for a  
2           report of sexual misconduct.

3 **SEC. 535. INDEPENDENT REVIEWS AND ASSESSMENTS ON**  
4           **RACE AND ETHNICITY IN THE INVESTIGA-**  
5           **TION, PROSECUTION, AND DEFENSE OF SEX-**  
6           **UAL ASSAULT IN THE ARMED FORCES.**

7           (a) **REVIEWS AND ASSESSMENTS BY DAC-IPAD.—**  
8           The independent committee established by the Secretary  
9           of Defense under section 546 of the Carl Levin and How-  
10          ard P. “Buck” McKeon National Defense Authorization  
11          Act for Fiscal Year 2015 (Public Law 113–291; 128 Stat.  
12          3374), commonly known as the “DAC-IPAD”, shall con-  
13          duct each of the following:

14               (1) A review and assessment, by fiscal year, of  
15               the race and ethnicity of members of the Armed  
16               Forces accused of a penetrative sexual assault of-  
17               fense or contact sexual assault offense in an unre-  
18               stricted report made pursuant to Department of De-  
19               fense Instruction 6495.02, including an unrestricted  
20               report involving a spouse or intimate partner, in all  
21               cases completed in each fiscal year assessed.

22               (2) A review and assessment, by fiscal year, of  
23               the race and ethnicity of members of the Armed  
24               Forces against whom charges were preferred pursu-  
25               ant to Rule for Courts-Martial 307 for a penetrative

1 sexual assault offense or contact sexual assault of-  
2 fense in all cases completed in each fiscal year as-  
3 sessed.

4 (3) A review and assessment, by fiscal year, of  
5 the race and ethnicity of members of the Armed  
6 Forces who were convicted of a penetrative sexual  
7 assault offense or contact sexual assault offense in  
8 all cases completed in each fiscal year assessed.

9 (b) INFORMATION FROM FEDERAL AGENCIES.—

10 (1) IN GENERAL.—Upon request by the chair of  
11 the committee, a department or agency of the Fed-  
12 eral Government shall provide information that the  
13 committee considers necessary to conduct reviews  
14 and assessments required by subsection (a), includ-  
15 ing military criminal investigation files, charge  
16 sheets, records of trial, and personnel records.

17 (2) HANDLING, STORAGE, AND RETURN.—The  
18 committee shall handle and store all records received  
19 and reviewed under this section in accordance with  
20 applicable privacy laws and Department of Defense  
21 policy, and shall return all records so received in a  
22 timely manner.

23 (c) REPORT.—Not later than one year after the date  
24 of the enactment of this Act, the committee shall submit  
25 to the Secretary of Defense, and to the Committees on

1 Armed Services of the Senate and the House of Represent-  
2 atives, a report setting forth the results of the reviews and  
3 assessments required by subsection (a). The report shall  
4 include such recommendations for legislative or adminis-  
5 trative action as the committee considers appropriate in  
6 light of such results.

7 (d) DEFINITIONS.—In this section:

8 (1) The term “case” means an unrestricted re-  
9 port of any penetrative sexual assault offense or con-  
10 tact sexual assault offense made against a member  
11 of the Armed Forces pursuant to Department of De-  
12 fense Instruction 6495.02, including any unre-  
13 stricted report involving a spouses or intimate part-  
14 ner for which an investigation has been opened by  
15 a criminal investigative organization.

16 (2) The term “completed”, with respect to a  
17 case, means that the case was tried to verdict, dis-  
18 missed without further action, or dismissed and then  
19 resolved by non-judicial or administrative pro-  
20 ceedings.

21 (3) The term “contact sexual assault offense”  
22 means aggravated sexual contact, abusive sexual  
23 contact, wrongful sexual contact, and attempts to  
24 commit such offenses under the Uniform Code of  
25 Military Justice.

1           (4) The term “penetrative sexual assault of-  
2           fense” means rape, aggravated sexual assault, sexual  
3           assault, forcible sodomy, and attempts to commit  
4           such offenses under the Uniform Code of Military  
5           Justice.

6 **SEC. 536. REPORT ON MECHANISMS TO ENHANCE THE IN-**  
7                           **TEGRATION AND SYNCHRONIZATION OF AC-**  
8                           **TIVITIES OF SPECIAL VICTIM INVESTIGATION**  
9                           **AND PROSECUTION PERSONNEL WITH AC-**  
10                          **TIVITIES OF MILITARY CRIMINAL INVESTIGA-**  
11                          **TIVE ORGANIZATIONS.**

12           Not later than one year after the date of the enact-  
13           ment of this Act, the Secretary of Defense shall, in con-  
14           sultation with the Secretaries of the military departments,  
15           submit to the Committees on Armed Services of the Sen-  
16           ate and the House of Representatives a report setting  
17           forth proposals for various mechanisms to enhance the in-  
18           tegration and synchronization of activities of Special Vic-  
19           tim Investigation and Prosecution (SVIP) personnel with  
20           activities of military criminal investigative organizations  
21           (MCIOs) in investigations in which both such personnel  
22           are or may be involved. If the proposed mechanisms re-  
23           quire legislative or administration action for implementa-  
24           tion, the report shall set forth such recommendations for

1 such action as the Secretary of Defense considers appro-  
2 priate.

3 **SEC. 537. COMPTROLLER GENERAL OF THE UNITED**  
4 **STATES REPORT ON IMPLEMENTATION BY**  
5 **THE ARMED FORCES OF RECENT STATUTORY**  
6 **REQUIREMENTS ON SEXUAL ASSAULT PRE-**  
7 **VENTION AND RESPONSE IN THE MILITARY.**

8 (a) **REPORT REQUIRED.**—The Comptroller General  
9 of the United States shall submit to the Committees on  
10 Armed Services of the Senate and the House of Represent-  
11 atives a report, in writing, on a study, conducted by the  
12 Comptroller General for purposes of the report, on the im-  
13 plementation by the Armed Forces of statutory require-  
14 ments on sexual assault prevention and response in the  
15 military in the National Defense Authorization Act for  
16 Fiscal Year 2004 (Public Law 108–136) and each suc-  
17 ceeding national defense authorization Act through the  
18 John S. McCain National Defense Authorization Act for  
19 Fiscal Year 2019 (Public Law 115–232).

20 (b) **ELEMENTS.**—The report required by subsection  
21 (a) shall include the following:

22 (1) A list and citation of each statutory require-  
23 ment (whether codified or uncodified) on sexual as-  
24 sault prevention and response in the military in each

1 national defense authorization Act specified in para-  
2 graph (1), including—

3 (A) whether such statutory requirement is  
4 still in force; and

5 (B) if such statutory requirement is no  
6 longer in force, the date of the repeal or expira-  
7 tion of such requirement.

8 (2) For each statutory requirement listed pur-  
9 suant to paragraph (1), the following:

10 (A) An assessment of the extent to which  
11 such requirement was implemented, or is cur-  
12 rently being implemented, as applicable, by each  
13 Armed Force to which such requirement applied  
14 or applies.

15 (B) A description and assessment of the  
16 actions taken by each of the Department of De-  
17 fense, the military department concerned, and  
18 the Armed Force concerned to assess and deter-  
19 mine the effectiveness of actions taken pursuant  
20 to such requirement in meeting its intended ob-  
21 jective.

22 (3) Any other matters in connection with the  
23 statutory requirements specified in subsection (a),  
24 and the implementation of such requirements by the

1 Armed Forces, that the Comptroller General con-  
2 siders appropriate.

3 (c) BRIEFINGS.—Not later than May 1, 2020, the  
4 Comptroller General shall provide to the committees re-  
5 ferred to in subsection (a) one or more briefings on the  
6 status of the study required by subsection (a), including  
7 any preliminary findings and recommendations of the  
8 Comptroller General as a result of the study as of the date  
9 of such briefing.

10 **PART II—SPECIAL VICTIMS’ COUNSEL MATTERS**

11 **SEC. 541. LEGAL ASSISTANCE BY SPECIAL VICTIMS’ COUN-**  
12 **SEL FOR VICTIMS OF ALLEGED DOMESTIC VI-**  
13 **OLENCE OFFENSES.**

14 (a) CONDITIONAL EXPANSION OF ELIGIBILITY TO  
15 VICTIMS OF ALLEGED DOMESTIC VIOLENCE OF-  
16 FENSES.—Subsection (a) of section 1044e of title 10,  
17 United States Code, is amended by adding at the end the  
18 following new paragraph:

19 “(3) Legal counsel designated as described in para-  
20 graph (1) may also provide legal assistance to any indi-  
21 vidual described in paragraph (2)(B) or (2)(C) who is the  
22 victim of an alleged domestic violence offense, and to any  
23 civilian individual not otherwise covered by paragraph  
24 (2)(C) who is the victim of an alleged sex-related offense  
25 or alleged domestic violence offense, if the Secretary of

1 the military department concerned determines (on a case-  
2 by-case basis) that resources are available for the provi-  
3 sion of such assistance to such individual without impair-  
4 ing the capacity to provide assistance under paragraph (1)  
5 to victims of alleged sex-related offenses described in para-  
6 graph (2).”.

7 (b) DEFINITIONS.—Subsection (g) of such section is  
8 amended to read as follows:

9 “(g) DEFINITIONS.—In this section:

10 “(1) The term ‘alleged covered offense’ means  
11 any of the following:

12 “(A) An alleged sex-related offense.

13 “(B) An alleged domestic violence offense.

14 “(2) The term ‘alleged sex-related offense’  
15 means any allegation of—

16 “(A) a violation of section 920, 920b,  
17 920c, or 930 of this title (article 120, 120b,  
18 120c, or 130 of the Uniform Code of Military  
19 Justice); or

20 “(B) an attempt to commit an offense  
21 specified in a subparagraph (A) as punishable  
22 under section 880 of this title (article 80 of the  
23 Uniform Code of Military Justice).

24 “(3) The term ‘alleged domestic violence of-  
25 fense’ means any allegation of—

1           “(A) a violation of section 928, 928b(1),  
2           928b(5), or 930 of this title (article 128,  
3           128b(1), 128b(5), or 130 of the Uniform Code  
4           of Military Justice), when committed against a  
5           spouse, intimate partner, or immediate family  
6           member;

7           “(B) a violation of any other provision of  
8           subchapter X of chapter 47 of this title (the  
9           Uniform Code of Military Justice), when com-  
10          mitted against a spouse, intimate partner, or  
11          immediate family member, as specified by the  
12          Secretary concerned for purposes of eligibility  
13          for legal consultation and assistance by Special  
14          Victims’ Counsel under the jurisdiction of such  
15          Secretary under this section; or

16          “(C) an attempt to commit an offense  
17          specified in a subparagraph (A) or (B) as pun-  
18          ishable under section 880 of this title (article  
19          80 of the Uniform Code of Military Justice).”.

20          (c) CONFORMING AMENDMENTS.—Such section is  
21 further amended—

22           (1) in subsections (b) and (f), by striking “al-  
23           leged sex-related offense” each place it appears  
24           (other than subsection (f)(1)) and inserting “alleged  
25           covered offense concerned”; and

1 (2) in subsection (f)—

2 (A) by striking “subsection (a)(2)” each  
3 place it appears and inserting “paragraph (2)  
4 or (3) of subsection (a)”;

5 (B) in paragraph (1), by striking “an al-  
6 leged sex-related offense” and inserting “an al-  
7 leged covered offense”.

8 (d) CLERICAL AMENDMENTS.—

9 (1) HEADING AMENDMENT.—The heading of  
10 such section is amended to read as follows:

11 **“§ 1044e. Special Victims’ Counsel: victims of sex-re-**  
12 **lated offenses; victims of domestic vio-**  
13 **lence offenses”.**

14 (2) TABLE OF SECTIONS.—the table of sections  
15 at the beginning of chapter 53 of such title is  
16 amended by striking the item relating to section  
17 1044e and inserting the following new item:

“1044e. Special Victims’ Counsel: victims of sex-related offenses; victims of do-  
mestic violence offenses.”.

18 **SEC. 542. OTHER SPECIAL VICTIMS’ COUNSEL MATTERS.**

19 (a) ENHANCEMENT OF LEGAL CONSULTATION AND  
20 ASSISTANCE IN CONNECTION WITH POTENTIAL VICTIM  
21 BENEFITS.—Paragraph (8)(D) of subsection (b) of sec-  
22 tion 1044e of title 10, United States Code, is amended  
23 by striking “and other” and inserting “, section 1408(h)  
24 of this title, and other”.

1 (b) EXPANSION OF LEGAL ASSISTANCE AUTHORIZED  
2 TO INCLUDE CONSULTATION AND ASSISTANCE FOR RE-  
3 TALIATION.—Subsection (b) of such section is amended  
4 further—

5 (1) by redesignating paragraph (10) as para-  
6 graph (11); and

7 (2) by inserting after paragraph (9) the fol-  
8 lowing new paragraph (10):

9 “(10) Legal consultation and assistance in con-  
10 nection with an incident of retaliation, whether such  
11 incident occurs before, during, or after the conclu-  
12 sion of any criminal proceedings, including—

13 “(A) in understanding the rights and pro-  
14 tections afforded to victims of retaliation;

15 “(B) in the filing of complaints; and

16 “(C) in any resulting military justice pro-  
17 ceedings.”.

18 (c) CODIFICATION OF DUTY TO DETERMINE VIC-  
19 TIM’S PREFERENCE FOR PROSECUTION OF ALLEGED  
20 SEX-RELATED OFFENSE BY COURT-MARTIAL OR CIVILIAN  
21 COURT.—

22 (1) IN GENERAL.—Such section is further  
23 amended—

1           (A) by redesignating subsections (d)  
2           through (h) as subsections (e) through (i), re-  
3           spectively; and

4           (B) by inserting after subsection (c) the  
5           following new subsection (d):

6           “(d) DUTY TO DETERMINE VICTIM’S PREFERENCE  
7 FOR PROSECUTION OF AN ALLEGED SEX-RELATED OF-  
8 FENSE BY COURT-MARTIAL OR CIVILIAN COURT.—(1) In  
9 providing legal consultation and representation to a victim  
10 under this section in connection with an alleged sex-re-  
11 lated offense that occurs in the United States, a Special  
12 Victims’ Counsel shall have the duty—

13           “(A) to solicit the victim’s preference regarding  
14 whether the offense should be prosecuted by court-  
15 martial or in a civilian court with jurisdiction over  
16 the offense; and

17           “(B) to make the victim’s preference, if offered,  
18 known to appropriate military prosecutors.

19           “(2) Any consultation by a Special Victims’ Counsel  
20 pursuant to paragraph (1) shall occur in accordance with  
21 the process for such consultation established pursuant to  
22 section 534(b) of the Carl Levin and Howard P. ‘Buck’  
23 McKeon National Defense Authorization Act for Fiscal  
24 Year 2015 (10 U.S.C. 1044e note) or such other process

1 as the Secretary of Defense shall establish for that pur-  
2 pose.”.

3 (2) CONFORMING AMENDMENT.—Paragraph  
4 (11) of subsection (b) of such section, as redesign-  
5 nated by subsection (b)(1) of this section, is amend-  
6 ed by striking “subsection (h)” and inserting “sub-  
7 section (i)”.

8 (d) EFFECTIVE DATE.—The amendments made by  
9 this section shall take effect on the date that is 180 days  
10 after the date of the enactment of this Act.

11 (e) REPORT ON EXPANSION OF ELIGIBILITY FOR  
12 SVC SERVICES FOR VICTIMS OF ALLEGED DOMESTIC VI-  
13 OLENCE OFFENSES AND RELATED MATTERS.—

14 (1) IN GENERAL.—Not later than 120 days  
15 after the date of the enactment of this Act, the Sec-  
16 retary of Defense shall submit to the Committees on  
17 Armed Services of the Senate and the House of Rep-  
18 resentatives a report setting forth a description and  
19 assessment of the manner in which the Department  
20 of Defense would implement amendments to section  
21 1044e of title 10, United States Code, that would  
22 provide for the following:

23 (A) An expansion of eligibility for Special  
24 Victims’ Counsel services for victims of alleged  
25 domestic violence offenses.

1 (B) An expansion of eligibility for Special  
2 Victim’s Counsel services to any civilians who  
3 are the victim of an alleged sex-related offense  
4 or an alleged domestic violence offense, in cases  
5 in which the Secretary concerned waives the  
6 condition in section 1044(a)(7) of title 10,  
7 United States Code, for purposes of such eligi-  
8 bility.

9 (2) ELEMENTS.—The report required by para-  
10 graph (1) shall include a comprehensive description  
11 of the additional personnel (including the specific  
12 number of additional billets), resources, and training  
13 required to implement the amendments described in  
14 that paragraph such that such amendments are fully  
15 implemented by not later than September 30, 2025.

16 (3) DEFINITIONS.—In this subsection:

17 (A) The term “alleged sex-related offense”  
18 has the meaning given that term in section  
19 1044e(g) of title 10, United States Code.

20 (B) The term “alleged domestic violence  
21 offense” means any allegation of—

22 (i) a violation of section 928(b),  
23 928b(1), 928b(5), or 930 of title 10,  
24 United States Code (article 128(b),  
25 128b(1), 128b(5), or 130 of the Uniform

1 Code of Military Justice), when committed  
2 against a spouse, intimate partner, or im-  
3 mediate family member;

4 (ii) a violation of any other provision  
5 of subchapter X of chapter 47 of such title  
6 (the Uniform Code of Military Justice),  
7 when committed against a spouse, intimate  
8 partner, or immediate family member, if  
9 specified by any Secretary concerned for  
10 purposes of eligibility for legal consultation  
11 and assistance by Special Victims' Counsel  
12 under the amendments described in para-  
13 graph (1); and

14 (iii) an attempt to commit an offense  
15 specified in clause (i) or (ii) as punishable  
16 under section 880 of such title (article 80  
17 of the Uniform Code of Military Justice).

18 (C) The term "Secretary concerned" has  
19 the meaning given that term in section  
20 101(a)(9) of title 10, United States Code.

21 **SEC. 543. AVAILABILITY OF SPECIAL VICTIMS' COUNSEL AT**  
22 **MILITARY INSTALLATIONS.**

23 (a) DEADLINE FOR AVAILABILITY.—If a Special Vic-  
24 tims' Counsel is not available at a military installation for  
25 access by a member of the Armed Forces who requests

1 access to such a Counsel, such a Counsel shall be made  
2 available at such installation for access by such member  
3 by not later than 72 hours after such request.

4 (b) REPORT ON CIVILIAN SUPPORT OF SVCs.—Not  
5 later than 180 days after the date of the enactment of  
6 this Act, each Secretary of a military department shall  
7 submit to the Committees on Armed Services of the Sen-  
8 ate and the House of Representatives a report setting  
9 forth the assessment of such Secretary of the feasibility  
10 and advisability of establishing and maintaining for each  
11 Special Victims' Counsel under the jurisdiction of such  
12 Secretary one or more civilian positions for the purpose  
13 of—

14 (1) providing support to such Special Victims'  
15 Counsel; and

16 (2) ensuring continuity and the preservation of  
17 institutional knowledge in transitions between the  
18 service of individuals as such Special Victims' Coun-  
19 sel.

20 **SEC. 544. TRAINING FOR SPECIAL VICTIMS' COUNSEL ON**  
21 **CIVILIAN CRIMINAL JUSTICE MATTERS IN**  
22 **THE STATES OF THE MILITARY INSTALLA-**  
23 **TIONS TO WHICH ASSIGNED.**

24 (a) TRAINING.—Upon the assignment of a Special  
25 Victims' Counsel (including a Victim Legal Counsel of the

1 Navy) to a military installation in the United States, such  
2 Counsel shall be provided appropriate training on the law  
3 and policies of the State or States in which such military  
4 installation is located with respect to the criminal justice  
5 matters specified in subsection (b).

6 (b) CRIMINAL JUSTICE MATTERS.—The criminal jus-  
7 tice matters specified in this subsection, with respect to  
8 a State, are the following:

9 (1) Victim rights.

10 (2) Protective orders.

11 (3) Prosecution of criminal offenses.

12 (4) Sentencing for conviction of criminal of-  
13 fenses.

14 **PART III—BOARDS FOR CORRECTION OF MILI-**  
15 **TARY RECORDS AND DISCHARGE REVIEW**  
16 **BOARD MATTERS**

17 **SEC. 546. REPEAL OF 15-YEAR STATUTE OF LIMITATIONS**  
18 **ON MOTIONS OR REQUESTS FOR REVIEW OF**  
19 **DISCHARGE OR DISMISSAL FROM THE**  
20 **ARMED FORCES.**

21 (a) REPEAL.—Section 1553(a) of title 10, United  
22 States Code, is amended by striking the second sentence.

23 (b) EFFECTIVE DATE.—The amendment made by  
24 this section shall take effect on October 1, 2020.

1 **SEC. 547. REDUCTION IN REQUIRED NUMBER OF MEMBERS**  
2 **OF DISCHARGE REVIEW BOARDS.**

3 Section 1553(a) of title 10, United States Code, is  
4 amended by striking “five” and inserting “not fewer than  
5 three”.

6 **SEC. 548. ENHANCEMENT OF PERSONNEL ON BOARDS FOR**  
7 **THE CORRECTION OF MILITARY RECORDS**  
8 **AND DISCHARGE REVIEW BOARDS.**

9 (a) **BOARDS FOR THE CORRECTION OF MILITARY**  
10 **RECORDS.**—Section 1552 of title 10, United States Code,  
11 is amended—

12 (1) in subsection (g), by inserting “, or a social  
13 worker with training on mental health issues con-  
14 nected with post-traumatic stress disorder or trau-  
15 matic brain injury or other trauma,” after “psychia-  
16 trist”; and

17 (2) in subsection (h)(2)(A), by inserting “(in-  
18 cluding a social worker with training on mental  
19 health issues connected with post-traumatic stress  
20 disorder or traumatic brain injury or other trauma)”  
21 after “a civilian health care provider”.

22 (b) **DISCHARGE REVIEW BOARDS.**—Section 1553 of  
23 such title is amended—

24 (1) in subsection (d)(1), by inserting “, or a so-  
25 cial worker with training on mental health issues  
26 connected with post-traumatic stress disorder or

1 traumatic brain injury or other trauma,” after “psy-  
2 chiatrist” both places it appears; and

3 (2) in subsection (e), by inserting “a social  
4 worker with training on mental health issues con-  
5 nected with post-traumatic stress disorder or trau-  
6 matic brain injury or other trauma,” after “or psy-  
7 chiatrist,”.

8 **SEC. 549. INCLUSION OF INTIMATE PARTNER VIOLENCE**  
9 **AND SPOUSAL ABUSE AMONG SUPPORTING**  
10 **RATIONALES FOR CERTAIN CLAIMS FOR COR-**  
11 **RECTIONS OF MILITARY RECORDS AND DIS-**  
12 **CHARGE REVIEW.**

13 (a) CORRECTION OF MILITARY RECORDS.—Section  
14 1552(h)(1) of title 10, United States Code, is amended  
15 by striking “or military sexual trauma” and inserting “,  
16 sexual trauma, intimate partner violence, or spousal  
17 abuse”.

18 (b) DISCHARGE REVIEW.—Section 1553(d)(3)(B) of  
19 such title is amended by striking “or military sexual trau-  
20 ma” and inserting “, sexual trauma, intimate partner vio-  
21 lence, or spousal abuse”.

1 **SEC. 550. ADVICE AND COUNSEL OF TRAUMA EXPERTS IN**  
2 **REVIEW BY BOARDS FOR CORRECTION OF**  
3 **MILITARY RECORDS AND DISCHARGE RE-**  
4 **VIEW BOARDS OF CERTAIN CLAIMS.**

5 (a) BOARDS FOR CORRECTION OF MILITARY  
6 RECORDS.—Section 1552(g) of title 10, United States  
7 Code, is amended—

8 (1) by inserting “(1)” after “(g)”; and

9 (2) by adding at the end the following new  
10 paragraph:

11 “(2) If a board established under subsection (a)(1)  
12 is reviewing a claim described in subsection (h), the board  
13 shall seek advice and counsel in the review from a psychia-  
14 trist, psychologist, or social worker with training on men-  
15 tal health issues associated with post-traumatic stress dis-  
16 order or traumatic brain injury or other trauma as speci-  
17 fied in the current edition of the Diagnostic and Statistical  
18 Manual of Mental Disorders published by the American  
19 Psychiatric Association.

20 “(3) If a board established under subsection (a)(1)  
21 is reviewing a claim in which sexual trauma, intimate part-  
22 ner violence, or spousal abuse is claimed, the board shall  
23 seek advice and counsel in the review from an expert in  
24 trauma specific to sexual assault, intimate partner vio-  
25 lence, or spousal abuse, as applicable.”.

1           (b)    DISCHARGE    REVIEW    BOARDS.—Section  
2 1553(d)(1) of such title is amended—

3                   (1) by inserting “(A)” after “(1)”; and

4                   (2) by adding at the end the following new sub-  
5 paragraph;

6           “(B) In the case of a former member described in  
7 paragraph (3)(B) who claims that the former member’s  
8 post-traumatic stress disorder or traumatic brain injury  
9 as described in that paragraph is based in whole or in  
10 part on sexual trauma, intimate partner violence, or  
11 spousal abuse, a board established under this section to  
12 review the former member’s discharge or dismissal shall  
13 seek advice and counsel in the review from a psychiatrist,  
14 psychologist, or social worker with training on mental  
15 health issues associated with post-traumatic stress dis-  
16 order or traumatic brain injury or other trauma as speci-  
17 fied in the current edition of the Diagnostic and Statistical  
18 Manual of Mental Disorders published by the American  
19 Psychiatric Association.”.

1 **SEC. 551. TRAINING OF MEMBERS OF BOARDS FOR COR-**  
2 **RECTION OF MILITARY RECORDS AND DIS-**  
3 **CHARGE REVIEW BOARDS ON SEXUAL TRAU-**  
4 **MA, INTIMATE PARTNER VIOLENCE, SPOUSAL**  
5 **ABUSE, AND RELATED MATTERS.**

6 (a) **BOARDS FOR CORRECTION OF MILITARY**  
7 **RECORDS.**—The curriculum of training for members of  
8 boards for the correction of military records under section  
9 534(c) of the National Defense Authorization Act for Fis-  
10 cal Year 2017 (10 U.S.C. 1552 note) shall include train-  
11 ing on each of the following:

- 12 (1) Sexual trauma.
- 13 (2) Intimate partner violence.
- 14 (3) Spousal abuse.
- 15 (4) The various responses of individuals to  
16 trauma.

17 (b) **DISCHARGE REVIEW BOARDS.**—

18 (1) **IN GENERAL.**—Each Secretary concerned  
19 shall develop and provide training for members of  
20 discharge review boards under section 1553 of title  
21 10, United States Code, that are under the jurisdic-  
22 tion of such Secretary on each of the following:

- 23 (A) Sexual trauma.
- 24 (B) Intimate partner violence.
- 25 (C) Spousal abuse.

1 (D) The various responses of individuals to  
2 trauma.

3 (2) UNIFORMITY OF TRAINING.—The Secretary  
4 of Defense and the Secretary of Homeland Security  
5 shall jointly ensure that the training developed and  
6 provided pursuant to this subsection is, to the extent  
7 practicable, uniform.

8 (3) SECRETARY CONCERNED DEFINED.—In this  
9 subsection, the term “Secretary concerned” has the  
10 meaning given that term in section 101(a)(9) of title  
11 10, United States Code.

12 **SEC. 552. LIMITATIONS AND REQUIREMENTS IN CONNEC-**  
13 **TION WITH SEPARATIONS FOR MEMBERS OF**  
14 **THE ARMED FORCES WHO SUFFER FROM**  
15 **MENTAL HEALTH CONDITIONS IN CONNEC-**  
16 **TION WITH A SEX-RELATED, INTIMATE PART-**  
17 **NER VIOLENCE-RELATED, OR SPOUSAL-**  
18 **ABUSE OFFENSE.**

19 (a) CONFIRMATION OF DIAGNOSIS OF CONDITION  
20 REQUIRED BEFORE SEPARATION.—Before a member of  
21 the Armed Forces who was the victim of a sex-related of-  
22 fense, an intimate partner violence-related offense, or a  
23 spousal-abuse offense during service in the Armed Forces  
24 (whether or not such offense was committed by another  
25 member of the Armed Forces), and who has a mental

1 health condition not amounting to a physical disability, is  
2 separated, discharged, or released from the Armed Forces  
3 based solely on such condition, the diagnosis of such condi-  
4 tion must be—

5 (1) corroborated by a competent mental health  
6 care professional at the peer level or a higher level  
7 of the health care professional making the diagnosis;  
8 and

9 (2) endorsed by the Surgeon General of the  
10 military department concerned.

11 (b) NARRATIVE REASON FOR SEPARATION IF MEN-  
12 TAL HEALTH CONDITION PRESENT.—If the narrative rea-  
13 son for discharge, separation, or release from the Armed  
14 Forces of a member of the Armed Forces is a mental  
15 health condition that is not a disability, the appropriate  
16 narrative reason for the discharge, separation, or release  
17 shall be condition, not a disability, or Secretarial author-  
18 ity.

19 (c) DEFINITION.—In this section:

20 (1) The term “intimate partner violence-related  
21 offense” means the following:

22 (A) An offense under section 928 or 930  
23 of title 10, United States Code (article 128 or  
24 130 of the Uniform Code of Military Justice).

1           (B) An offense under State law for con-  
2           duct identical or substantially similar to an of-  
3           fense described in subparagraph (A).

4           (2) The term “sex-related offense” means the  
5           following:

6           (A) An offense under section 920 or 920b  
7           of title 10, United States Code (article 120 or  
8           120b of the Uniform Code of Military Justice).

9           (B) An offense under State law for con-  
10          duct identical or substantially similar to an of-  
11          fense described in subparagraph (A).

12          (3) The term “spousal-abuse offense” means  
13          the following:

14          (A) An offense under section 928 of title  
15          10, United States Code (article 128 of the Uni-  
16          form Code of Military Justice).

17          (B) An offense under State law for con-  
18          duct identical or substantially similar to an of-  
19          fense described in subparagraph (A).

20          (d) EFFECTIVE DATE.—This section shall take effect  
21          180 days after the date of the enactment of this Act, and  
22          shall apply with respect to separations, discharges, and re-  
23          leases from the Armed Forces that occur on or after that  
24          effective date.

1 **SEC. 553. LIBERAL CONSIDERATION OF EVIDENCE IN CER-**  
2 **TAIN CLAIMS BY BOARDS FOR THE CORREC-**  
3 **TION OF MILITARY RECORDS AND DIS-**  
4 **CHARGE REVIEW BOARDS.**

5 (a) BOARDS FOR THE CORRECTION OF MILITARY  
6 RECORDS.—

7 (1) IN GENERAL.—Section 1552(h) of title 10,  
8 United States Code, is amended—

9 (A) by striking paragraph (1);

10 (B) by striking “(2) In the case of a claim-  
11 ant described in paragraph (1), a board” and  
12 inserting “A board”;

13 (C) by redesignating subparagraphs (A)  
14 and (B) as paragraphs (1) and (2), respectively;

15 (D) in paragraph (1), as redesignated by  
16 subparagraph (C), by inserting “all evidence  
17 presented by the claimant, including lay evi-  
18 dence and information and” after “review”; and

19 (E) by striking paragraph (2), as so redesi-  
20 gnated, and inserting the following new para-  
21 graph (2):

22 “(2) if a claim alleges error or injustice in the  
23 claimant’s discharge or dismissal, or the character-  
24 ization of such discharge or dismissal, review such  
25 claim with liberal consideration of all evidence and

1 information submitted by, or pertaining to, the  
2 claimant.”.

3 (2) EFFECTIVE DATE.—The amendments made  
4 by paragraph (1) shall take effect on the date of the  
5 enactment of this Act, and shall apply with respect  
6 to claims submitted to boards for the correction of  
7 military records under section 1552 of title 10,  
8 United States Code, on or after that date.

9 (b) DISCHARGE REVIEW BOARDS.—

10 (1) IN GENERAL.—Section 1553 of title 10,  
11 United States Code, is amended—

12 (A) in subsection (c)—

13 (i) by inserting “(1)” after “(c)”; and

14 (ii) by adding at the end the following

15 new paragraph:

16 “(2) A board established under this section shall—

17 “(A) review all evidence and information pro-

18 vided by the former member, including lay evidence

19 and information and medical evidence of the Sec-

20 retary of Veterans Affairs or a civilian health care

21 provider that is provided by the former member; and

22 “(B) review the claim with liberal consideration

23 of all evidence and information submitted by, or per-

24 taining to, the former member.”; and

1 (B) in subsection (d), by striking para-  
2 graph (3).

3 (2) EFFECTIVE DATE.—The amendments made  
4 by paragraph (1) shall take effect on the date of the  
5 enactment of this Act, and shall apply with respect  
6 to motions or requests for review submitted to dis-  
7 charge review boards under section 1553 of title 10,  
8 United States Code, on or after that date.

9 **PART IV—OTHER MILITARY JUSTICE MATTERS**

10 **SEC. 555. EXPANSION OF PRE-REFERRAL MATTERS RE-**  
11 **VIEWABLE BY MILITARY JUDGES AND MILI-**  
12 **TARY MAGISTRATES IN THE INTEREST OF EF-**  
13 **FICIENCY IN MILITARY JUSTICE.**

14 (a) IN GENERAL.—Subsection (a) of section 830a of  
15 title 10, United States Code (article 30a of the Uniform  
16 Code of Military Justice), is amended by striking para-  
17 graphs (1) and (2) and inserting the following new para-  
18 graphs:

19 “(1) The President shall prescribe regulations for  
20 matters relating to proceedings conducted before referral  
21 of charges and specifications to court-martial for trial, in-  
22 cluding the following:

23 “(A) Pre-referral investigative subpoenas.

24 “(B) Pre-referral warrants or orders for elec-  
25 tronic communications.

1           “(C) Pre-referral matters referred by an appel-  
2 late court.

3           “(D) Pre-referral matters under subsection (c)  
4 or (e) of section 806b of this title (article 6b).

5           “(E) Pre-referral matters relating to the fol-  
6 lowing:

7                   “(i) Pre-trial confinement of an accused.

8                   “(ii) The mental capacity or responsibility  
9 of an accused.

10                   “(iii) A request for an individual military  
11 counsel.

12           “(2) In addition to the matters specified in paragraph  
13 (1), the regulations prescribed under that paragraph  
14 shall—

15                   “(A) set forth the matters that a military judge  
16 may rule upon in such proceedings;

17                   “(B) include procedures for the review of such  
18 rulings;

19                   “(C) include appropriate limitations to ensure  
20 that proceedings under this section extend only to  
21 matters that would be subject to consideration by a  
22 military judge in a general or special court-martial;

23                   “(D) provide such limitations on the relief that  
24 may be ordered under this section as the President  
25 considers appropriate; and

1           “(E) provide for treatment of such other pre-re-  
2           ferral matters as the President may prescribe.”.

3           (b) CONFORMING AND CLERICAL AMENDMENTS.—

4           (1) HEADING AMENDMENT.—The heading of  
5           such section is amended to read as follows:

6           “§ 830a. Art 30a. Proceedings conducted before refer-  
7           ral”.

8           (2) CLERICAL AMENDMENT.—The table of sec-  
9           tions at the beginning of subchapter VI of chapter  
10          47 of title 10, United States Code (the Uniform  
11          Code of Military Justice), is amended by striking the  
12          item relating to section 830a (article 30a) and in-  
13          serting the following new item:

          “830a. 30a. Proceedings conducted before referral.”.

14       **SEC. 556. POLICIES AND PROCEDURES ON REGISTRATION**  
15                       **AT MILITARY INSTALLATIONS OF CIVILIAN**  
16                       **PROTECTIVE ORDERS APPLICABLE TO MEM-**  
17                       **BERS OF THE ARMED FORCES ASSIGNED TO**  
18                       **SUCH INSTALLATIONS AND CERTAIN OTHER**  
19                       **INDIVIDUALS.**

20          (a) POLICIES AND PROCEDURES REQUIRED.—Not  
21          later than one year after the date of the enactment of this  
22          Act, the Secretary of Defense shall, in consultation with  
23          the Secretaries of the military departments, establish poli-  
24          cies and procedures for the registration at military instal-  
25          lations of any civilian protective orders described in sub-

1 section (b), including the duties and responsibilities of  
2 commanders of installations in the registration process.

3 (b) CIVILIAN PROTECTIVE ORDERS.—A civilian pro-  
4 tective order described in this subsection is any civilian  
5 protective order as follows:

6 (1) A civilian protective order against a member  
7 of the Armed Forces assigned to the installation  
8 concerned.

9 (2) A civilian protective order against a civilian  
10 employee employed at the installation concerned.

11 (3) A civilian protective order against the civil-  
12 ian spouse or intimate partner of a member of the  
13 Armed Forces on active duty and assigned to the in-  
14 stallation concerned, or of a civilian employee de-  
15 scribed in paragraph (2), which order provides for  
16 the protection of such member or employee.

17 (c) PARTICULAR ELEMENTS.—The policies and pro-  
18 cedures required by subsection (a) shall include the fol-  
19 lowing:

20 (1) A requirement for notice between and  
21 among the commander, military law enforcement ele-  
22 ments, and military criminal investigative elements  
23 of an installation when a member of the Armed  
24 Forces assigned to such installation, a civilian em-  
25 ployee employed at such installation, a civilian

1 spouse or intimate partner of a member assigned to  
2 such installation, or a civilian spouse or intimate  
3 partner of a civilian employee employed at such in-  
4 stallation becomes subject to a civilian protective  
5 order.

6 (2) A statement of policy that failure to register  
7 a civilian protective order may not be a justification  
8 for the lack of enforcement of such order by military  
9 law enforcement and other applicable personnel who  
10 have knowledge of such order.

11 (d) LETTER.—As soon as practicable after estab-  
12 lishing the policies and procedures required by subsection  
13 (a), the Secretary shall submit to the Committees on  
14 Armed Services of the Senate and the House of Represent-  
15 atives a letter that includes the following:

16 (1) A detailed description of the policies and  
17 procedures.

18 (2) A certification by the Secretary that the  
19 policies and procedures have been implemented on  
20 each military installation.

21 **SEC. 557. INCREASE IN NUMBER OF DIGITAL FORENSIC EX-**  
22 **AMINERS FOR THE MILITARY CRIMINAL IN-**  
23 **VESTIGATIVE ORGANIZATIONS.**

24 (a) IN GENERAL.—Each Secretary of a military de-  
25 partment shall take appropriate actions to increase the

1 number of digital forensic examiners in each military  
2 criminal investigative organization (MCIO) under the ju-  
3 risdiction of such Secretary by not fewer than 10 from  
4 the authorized number of such examiners for such organi-  
5 zation as of September 30, 2019.

6 (b) MILITARY CRIMINAL INVESTIGATIVE ORGANIZA-  
7 TIONS.—For purposes of this section, the military criminal  
8 investigative organizations are the following:

9 (1) The Army Criminal Investigation Com-  
10 mand.

11 (2) The Naval Criminal Investigative Service.

12 (3) The Air Force Office of Special Investiga-  
13 tions.

14 (4) The Marine Corps Criminal Investigation  
15 Division.

16 (c) FUNDING.—Funds for additional digital forensic  
17 examiners as required by subsection (a) for fiscal year  
18 2020, including for compensation, initial training, and  
19 equipment, shall be derived from amounts authorized to  
20 be appropriated for that fiscal year for the Armed Force  
21 concerned for operation and maintenance.

1 **SEC. 558. SURVEY OF MEMBERS OF THE ARMED FORCES ON**  
2 **THEIR EXPERIENCES WITH MILITARY INVES-**  
3 **TIGATIONS AND MILITARY JUSTICE.**

4 (a) IN GENERAL.—Chapter 23 of title 10, United  
5 States Code, is amended by inserting after section 481a  
6 the following new section:

7 **“§ 481b. Military investigation and justice experi-**  
8 **ences: survey of members of the armed**  
9 **forces**

10 “(a) SURVEYS REQUIRED.—(1) The Secretary of De-  
11 fense shall conduct from time to time a survey on the ex-  
12 periences of members of the armed forces with military  
13 investigations and military justice in accordance with this  
14 section and guidance issued by the Secretary for purposes  
15 of this section.

16 “(2) The survey under this section shall be known  
17 as the ‘Military Investigation and Justice Experience Sur-  
18 vey’.

19 “(b) MATTERS COVERED BY SURVEY.—The guidance  
20 issued by the Secretary under this section on the survey  
21 shall include specification of the following:

22 “(1) The individuals to be surveyed, including  
23 any member of the armed forces serving on active  
24 duty who is a victim of an alleged sex-related offense  
25 and who made an unrestricted report of that offense.

1           “(2) The matters to be covered in the survey,  
2 including—

3           “(A) the experience of the individuals sur-  
4 veyed with the military criminal investigative  
5 organization that investigated the alleged of-  
6 fense, and with the Special Victims’ Counsel in  
7 the case of a member who was the victim of an  
8 alleged sex-related offense; and

9           “(B) if the individual’s report resulted in a  
10 charge or charges that were referred to a court-  
11 martial, the experience of the individual with  
12 the prosecutor and the court-martial in general.

13           “(3) The timing of the administration of the  
14 survey, including when the investigation or case is  
15 closed or otherwise complete.

16           “(c) FREQUENCY OF SURVEY.—The survey required  
17 by this section shall be conducted at least once every four  
18 years, but not more frequently than once every two years.

19           “(d) DEFINITIONS.—In this section:

20           “(1) ALLEGED SEX-RELATED OFFENSE.—The  
21 term ‘alleged sex-related offense’ has the meaning  
22 provided in section 1044e(g) of this title.

23           “(2) UNRESTRICTED REPORT.—The term ‘un-  
24 restricted report’ means a report that is not a re-  
25 stricted report.

1           “(3) RESTRICTED REPORT.—The term ‘re-  
2           stricted report’ means a report concerning a sexual  
3           assault that is treated as a restricted report under  
4           section 1565b(b) of this title.”.

5           (b) CLERICAL AMENDMENT.—The table of sections  
6           at the beginning of chapter 23 of such title is amended  
7           by inserting after the item relating to section 481a the  
8           following new item:

          “481b. Military investigation and justice experiences: survey of members of the  
          armed forces.”.

9   **SEC. 559. PUBLIC ACCESS TO DOCKETS, FILINGS, AND**  
10                           **COURT RECORDS OF COURTS-MARTIAL OR**  
11                           **OTHER RECORDS OF TRIAL OF THE MILI-**  
12                           **TARY JUSTICE SYSTEM.**

13           (a) IN GENERAL.—Section 940a of title 10, United  
14           States Code (article 140a of the Uniform Code of Military  
15           Justice), is amended—

16                   (1) by striking “The Secretary of Defense” and  
17                   inserting “(a) IN GENERAL.—The Secretary of De-  
18                   fense, in consultation with the Secretary of Home-  
19                   land Security,”;

20                   (2) in subsection (a), as designated by para-  
21                   graph (1)—

22                           (A) in the matter preceding paragraph (1),  
23                   by inserting “(including with respect to the

1 Coast Guard)” after “military justice system”;  
2 and

3 (B) in paragraph (4), by inserting “public”  
4 before “access to docket information”; and

5 (3) by adding at the end the following new sub-  
6 sections:

7 “(b) INAPPLICABILITY OF PRIVACY ACT.—Section  
8 552a of title 5 shall not apply to records of trial produced  
9 or distributed within the military justice system or docket  
10 information, filings, and records made publicly accessible  
11 in accordance with the uniform standards and criteria for  
12 conduct established by the Secretary under subsection (a).

13 “(c) PROTECTION OF CERTAIN PERSONALLY IDENTIFI-  
14 FIABLE INFORMATION.—Records of trial, docket informa-  
15 tion, filings, and other records made publicly accessible in  
16 accordance with the uniform standards and criteria for  
17 conduct established by the Secretary under subsection (a)  
18 shall restrict access to personally identifiable information  
19 of minors and victims of crime (including victims of sexual  
20 assault and domestic violence), as practicable to the extent  
21 such information is restricted in electronic filing systems  
22 of Federal and State courts.

23 “(d) INAPPLICABILITY TO CERTAIN DOCKETS AND  
24 RECORDS.—Nothing in this section shall be construed to  
25 provide public access to docket information, filings, or

1 records that are classified, subject to a judicial protective  
2 order, or ordered sealed.”.

3 (b) EXISTING STANDARDS AND CRITERIA.—The Sec-  
4 retary of Homeland Security shall apply to the Coast  
5 Guard the standards and criteria for conduct established  
6 by the Secretary of Defense under section 940a of title  
7 10, United States Code (article 140a of the Uniform Code  
8 of Military Justice), as in effect on the day before the date  
9 of the enactment of this Act, until such time as the Sec-  
10 retary of Defense, in consultation with the Secretary of  
11 Homeland Security, prescribes revised standards and cri-  
12 teria for conduct under such section that implement the  
13 amendments made by subsection (a) of this section.

14 **SEC. 560. PILOT PROGRAMS ON DEFENSE INVESTIGATORS**  
15 **IN THE MILITARY JUSTICE SYSTEM.**

16 (a) IN GENERAL.—Each Secretary of a military de-  
17 partment shall carry out a pilot program on defense inves-  
18 tigators within the military justice system under the juris-  
19 diction of such Secretary in order to do the following:

20 (1) Determine whether the presence of defense  
21 investigators within such military justice system  
22 will—

23 (A) make such military justice system  
24 more effective in determining the truth; and

1 (B) make such military justice system  
2 more fair and efficient.

3 (2) Otherwise assess the feasibility and advis-  
4 ability of defense investigators as an element of such  
5 military justice system.

6 (b) ELEMENTS.—

7 (1) MODEL OF SIMILAR CIVILIAN CRIMINAL  
8 JUSTICE SYSTEMS.—Defense investigators under  
9 each pilot program under subsection (a) shall consist  
10 of personnel, and participate in the military justice  
11 system concerned, in a manner similar to that of de-  
12 fense investigators in civilian criminal justice sys-  
13 tems that are similar to the military justice systems  
14 of the military departments.

15 (2) INTERVIEW OF VICTIM.—A defense investi-  
16 gator may question a victim under a pilot program  
17 only upon a request made through the Special Vic-  
18 tims' Counsel or other counsel of the victim, or trial  
19 counsel if the victim does not have such counsel.

20 (3) UNIFORMITY ACROSS MILITARY JUSTICE  
21 SYSTEMS.—The Secretary of Defense shall ensure  
22 that the personnel and activities of defense inves-  
23 tigators under the pilot programs are, to the extent  
24 practicable, uniform across the military justice sys-  
25 tems of the military departments.

1 (c) REPORT.—

2 (1) IN GENERAL.—Not later than three years  
3 after the date of the enactment of this Act, the Sec-  
4 retary of Defense shall, in consultation with the Sec-  
5 retaries of the military departments, submit to the  
6 Committees on Armed Services of the Senate and  
7 the House of Representatives a report on the pilot  
8 programs under subsection (a).

9 (2) ELEMENTS.—The report required by para-  
10 graph (1) shall include the following:

11 (A) A description of each pilot program,  
12 including the personnel and activities of defense  
13 investigators under such pilot program.

14 (B) An assessment of the feasibility and  
15 advisability of establishing and maintaining de-  
16 fense investigators as an element of the military  
17 justice systems of the military departments.

18 (C) If the assessment under subparagraph  
19 (B) is that the establishment and maintenance  
20 of defense investigators as an element of the  
21 military justice systems of the military depart-  
22 ments is feasible and advisable, such rec-  
23 ommendations for legislative and administrative  
24 action as the Secretary of Defense considers ap-  
25 propriate to establish and maintain defense in-

1           vestigators as an element of the military justice  
2           systems.

3                   (D) Any other matters the Secretary of  
4           Defense considers appropriate.

5 **SEC. 561. REPORT ON MILITARY JUSTICE SYSTEM INVOLV-**  
6                   **ING ALTERNATIVE AUTHORITY FOR DETER-**  
7                   **MINING WHETHER TO PREFER OR REFER**  
8                   **CHANGES FOR FELONY OFFENSES UNDER**  
9                   **THE UNIFORM CODE OF MILITARY JUSTICE.**

10           (a) REPORT REQUIRED.—

11                   (1) IN GENERAL.—Not later than 300 days  
12           after the date of the enactment of this Act, the Sec-  
13           retary of Defense shall submit to the Committees on  
14           Armed Services of the Senate and the House of Rep-  
15           resentatives a report setting forth the results of a  
16           study, conducted for purposes of the report, on the  
17           feasibility and advisability of an alternative military  
18           justice system in which determinations as to whether  
19           to prefer or refer charges for trial by court-martial  
20           for any offense specified in paragraph (2) is made  
21           by a judge advocate in grade O-6 or higher who has  
22           significant experience in criminal litigation and is  
23           outside of the chain of command of the member sub-  
24           ject to the charges rather than by a commanding of-

1        ficer of the member who is in the chain of command  
2        of the member.

3            (2) SPECIFIED OFFENSE.—An offense specified  
4        in this paragraph is any offense under chapter 47 of  
5        title 10, United States Code (the Uniform Code of  
6        Military Justice), for which the maximum punish-  
7        ment authorized includes confinement for more than  
8        one year.

9            (b) ELEMENTS.—The study required for purposes of  
10       the report under subsection (a) shall address the following:

11            (1) Relevant procedural, legal, and policy impli-  
12        cations and considerations of the alternative military  
13        justice system described in subsection (a).

14            (2) An analysis of the following in connection  
15        with the implementation and maintenance of the al-  
16        ternative military justice system:

17            (A) Legal personnel requirements.

18            (B) Changes in force structure.

19            (C) Amendments to law.

20            (D) Impacts on the timeliness and effi-  
21        ciency of legal processes and court-martial adju-  
22        dications.

23            (E) Potential legal challenges to the sys-  
24        tem.

1 (F) Potential changes in prosecution and  
2 conviction rates.

3 (G) Potential impacts on the preservation  
4 of good order and discipline, including the abil-  
5 ity of a commander to carry out nonjudicial  
6 punishment and other administrative actions.

7 (H) Such other considerations as the Sec-  
8 retary considers appropriate.

9 (3) A comparative analysis of the military jus-  
10 tice systems of relevant foreign allies with the cur-  
11 rent military justice system of the United States and  
12 the alternative military justice system, including  
13 whether or not approaches of the military justice  
14 systems of such allies to determinations described in  
15 subsection (a) are appropriate for the military jus-  
16 tice system of the United States.

17 (4) An assessment of the feasibility and advis-  
18 ability of conducting a pilot program to assess the  
19 feasibility and advisability of the alternative military  
20 justice system, and, if the pilot program is deter-  
21 mined to be feasible and advisable—

22 (A) an analysis of potential legal issues in  
23 connection with the pilot program, including po-  
24 tential issues for appeals; and

25 (B) recommendations on the following:

1 (i) The populations to be subject to  
2 the pilot program.

3 (ii) The duration of the pilot program.

4 (iii) Metrics to measure the effective-  
5 ness of the pilot program.

6 (iv) The resources to be used to con-  
7 duct the pilot program.

8 **SEC. 562. REPORT ON STANDARDIZATION AMONG THE MILI-**  
9 **TARY DEPARTMENTS IN COLLECTION AND**  
10 **PRESENTATION OF INFORMATION ON MAT-**  
11 **TERS WITHIN THE MILITARY JUSTICE SYS-**  
12 **TEM.**

13 Not later than 180 days after the date of the enact-  
14 ment of this Act, the Secretary of Defense shall, in con-  
15 sultation with the Secretaries of the military departments,  
16 submit to the Committees on Armed Services of the Sen-  
17 ate and the House of Representatives a report setting  
18 forth the following:

19 (1) A plan for actions to provide for standard-  
20 ization, to the extent practicable, among the military  
21 departments in the collection and presentation of in-  
22 formation on matters within their military justice  
23 systems, including information collected and main-  
24 tained for purposes of section 940a of title 10,  
25 United States Code (article 140a of the Uniform

1 Code of Military Justice), and such other informa-  
2 tion as the Secretary considers appropriate.

3 (2) An assessment of the feasibility and advis-  
4 ability of establishing and maintaining a single, De-  
5 partment of Defense-wide data management system  
6 for the standardized collection and presentation of  
7 information described in paragraph (1).

8 **SEC. 563. REPORT ON ESTABLISHMENT OF GUARDIAN AD**  
9 **LITEM PROGRAM FOR CERTAIN MILITARY**  
10 **DEPENDENTS WHO ARE A VICTIM OR WIT-**  
11 **NESS OF OFFENSES UNDER THE UNIFORM**  
12 **CODE OF MILITARY JUSTICE INVOLVING**  
13 **ABUSE OR EXPLOITATION.**

14 (a) REPORT REQUIRED.—

15 (1) IN GENERAL.—Not later than one year  
16 after the date of the enactment of this Act, the Sec-  
17 retary of Defense shall submit to the Committees on  
18 Armed Services of the Senate and the House of Rep-  
19 resentatives a report setting forth an assessment of  
20 the feasibility and advisability of establishing a  
21 guardian ad litem program for military dependents  
22 described in paragraph (2) who are a victim or wit-  
23 ness of an offense under chapter 47 of title 10,  
24 United States Code (the Uniform Code of Military  
25 Justice), that involves an element of abuse or exploi-

1 tation in order to protect the best interests of such  
2 dependents in a court-martial of such offense.

3 (2) COVERED DEPENDENTS.—The military de-  
4 pendents described in this paragraph are as follows:

5 (A) Military dependents under 12 years of  
6 age.

7 (B) Military dependents who lack mental  
8 or other capacity.

9 (b) ELEMENTS.—The report required by subsection  
10 (a) shall include the following:

11 (1) An assessment of the feasibility and advis-  
12 ability of establishing a guardian ad litem program  
13 as described in subsection (a).

14 (2) If establishment of the guardian ad litem  
15 program is considered feasible and advisable, the fol-  
16 lowing:

17 (A) A description of administrative re-  
18 quirements in connection with the program, in-  
19 cluding the following:

20 (i) Any memoranda of understanding  
21 between the Department of Defense and  
22 State and local authorities required for  
23 purposes of the program.

1 (ii) The personnel, funding, and other  
 2 resources required for purposes of the pro-  
 3 gram.

4 (B) Best practices for the program (as de-  
 5 termined in consultation with appropriate civil-  
 6 ian experts on child advocacy).

7 (C) Such recommendations for legislative  
 8 and administration action to implement the pro-  
 9 gram as the Secretary considers appropriate.

10 **Subtitle E—Member Education,**  
 11 **Training, Transition, and Resil-**  
 12 **ience**

13 **SEC. 566. CONSECUTIVE SERVICE OF SERVICE OBLIGATION**  
 14 **IN CONNECTION WITH PAYMENT OF TUITION**  
 15 **FOR OFF-DUTY TRAINING OR EDUCATION**  
 16 **FOR COMMISSIONED OFFICERS OF THE**  
 17 **ARMED FORCES WITH ANY OTHER SERVICE**  
 18 **OBLIGATIONS.**

19 (a) IN GENERAL.—Section 2007(b) of title 10,  
 20 United States Code, is amended by adding at the end the  
 21 following new paragraph:

22 “(3) Any active duty service obligation of a commis-  
 23 sioned officer under this subsection shall be served con-  
 24 secutively with any other service obligation of the officer

1 (whether active duty or otherwise) under any other provi-  
2 sion of law.”.

3 (b) **EFFECTIVE DATE.**—The amendment made by  
4 this section shall take effect on the date of the enactment  
5 of this Act, and shall apply with respect to agreements  
6 for the payment of tuition for off-duty training or edu-  
7 cation that are entered into on or after that date.

8 **SEC. 567. AUTHORITY FOR DETAIL OF CERTAIN ENLISTED**  
9 **MEMBERS OF THE ARMED FORCES AS STU-**  
10 **DENTS AT LAW SCHOOLS.**

11 (a) **IN GENERAL.**—Section 2004 of title 10, United  
12 States Code, is amended—

13 (1) in subsection (a)—

14 (A) by inserting “and enlisted members”  
15 after “commissioned officers”;

16 (B) by striking “bachelor of laws or”; and

17 (C) by inserting “and enlisted members”  
18 after “twenty-five officers”;

19 (2) in subsection (b)—

20 (A) in the matter preceding paragraph (1),  
21 by inserting “or enlisted member” after “offi-  
22 cer”;

23 (B) by striking paragraph (1) and insert-  
24 ing the following new paragraph (1):

25 “(1) either—

1           “(A) have served on active duty for a pe-  
2           riod of not less than two years nor more than  
3           six years and be an officer in the pay grade O-  
4           3 or below as of the time the training is to  
5           begin; or

6           “(B) have served on active duty for a pe-  
7           riod of not less than four years nor more than  
8           eight years and be an enlisted member in the  
9           pay grade E-5, E-6, or E-7 as of the time the  
10          training is to begin;”;

11          (C) by redesignating paragraph (2) as  
12          paragraph (3);

13          (D) by inserting after paragraph (1), as  
14          amended by subparagraph (B), the following  
15          new paragraph (2):

16          “(2) in the case of an enlisted member, meet all  
17          requirements for acceptance of a commission as a  
18          commissioned officer in the armed forces; and”;

19          (E) in subparagraph (B) of paragraph (3),  
20          as redesignated by subparagraph (C) of this  
21          paragraph, by striking “or law specialist”;

22          (3) in subsection (c)—

23          (A) in the first sentence, by inserting “and  
24          enlisted members” after “Officers”; and

1 (B) in the second sentence, by inserting  
2 “or enlisted member” after “officer” each place  
3 it appears;

4 (4) in subsection (d), by inserting “and enlist-  
5 ment members” after “officers”;

6 (5) in subsection (e), by inserting “or enlist-  
7 ment member” after “officer”; and

8 (6) in subsection (f), by inserting “or enlisted  
9 member” after “officer”.

10 (b) CONFORMING AND CLERICAL AMENDMENTS.—

11 (1) HEADING AMENDMENT.—The heading of  
12 such section is amended to read as follows:

13 **“§ 2004. Detail as students at law schools; commis-**  
14 **sioned officers; certain enlisted mem-**  
15 **bers”.**

16 (2) CLERICAL AMENDMENT.—The table of sec-  
17 tions at the beginning of chapter 101 of such title  
18 is amended by striking the item relating to section  
19 2004 and inserting the following new item:

“2004. Detail as students at law schools; commissioned officers; certain enlisted  
members.”.

1 **SEC. 568. CONNECTIONS OF MEMBERS RETIRING OR SEPA-**  
2 **RATING FROM THE ARMED FORCES WITH**  
3 **COMMUNITY-BASED ORGANIZATIONS AND**  
4 **RELATED ENTITIES.**

5 (a) IN GENERAL.—The Secretary of Defense and the  
6 Secretary of Veterans Affairs shall jointly seek to enter  
7 into memoranda of understanding (MOUs) or other agree-  
8 ments with State veterans agencies under which informa-  
9 tion from Department of Defense Form DD–2648 on indi-  
10 viduals undergoing retirement, discharge, or release from  
11 the Armed Forces is transmitted to one or more State vet-  
12 erans agencies, as elected by such individuals, to provide  
13 or connect veterans to benefits or services as follows:

- 14 (1) Assistance in preparation of resumes.
- 15 (2) Training for employment interviews.
- 16 (3) Employment recruitment training.
- 17 (4) Other services leading directly to a success-  
18 ful transition from military life to civilian life.
- 19 (5) Healthcare, including care for mental  
20 health.
- 21 (6) Transportation or transportation-related  
22 services.
- 23 (7) Housing.
- 24 (8) Such other benefits or services as the Secre-  
25 taries jointly consider appropriate for purposes of  
26 this section.

1           (b) INFORMATION TRANSMITTED.—The information  
2 transmitted on individuals as described in subsection (a)  
3 shall be such information on Form DD–2648 as the Secre-  
4 taries jointly consider appropriate to facilitate community-  
5 based organizations and related entities in providing or  
6 connecting such individuals to benefits and services as de-  
7 scribed in subsection (a).

8           (c) MODIFICATION OF FORM DD–2648.—The Sec-  
9 retary of Defense shall make such modifications to Form  
10 DD–2648 as the Secretary considers appropriate to allow  
11 an individual filling out the form to indicate an email ad-  
12 dress at which the individual may be contacted to receive  
13 or be connected to benefits or services described in sub-  
14 section (a).

15           (d) VOLUNTARY PARTICIPATION.—Information on an  
16 individual may be transmitted to and through a State vet-  
17 erans agency as described in subsection (a) only with the  
18 consent of the individual. In giving such consent, an indi-  
19 vidual shall specify the following:

20                   (1) The State veterans agency or agencies elect-  
21                   ed by the individual to transmit such information as  
22                   described in subsection (a).

23                   (2) The benefits and services for which contact  
24                   information shall be so transmitted.



1 meaning given that term in section 7013(9) of the Ele-  
2 mentary and Secondary Education Act of 1965 (20 U.S.C.  
3 7713(9)).

4 **SEC. 572. IMPACT AID FOR CHILDREN WITH SEVERE DIS-**  
5 **ABILITIES.**

6 (a) IN GENERAL.—Of the amount authorized to be  
7 appropriated for fiscal year 2020 pursuant to section 301  
8 and available for operation and maintenance for Defense-  
9 wide activities as specified in the funding table in section  
10 4301, \$10,000,000 shall be available for payments under  
11 section 363 of the Floyd D. Spence National Defense Au-  
12 thorization Act for Fiscal Year 2001 (as enacted into law  
13 by Public Law 106–398; 114 Stat. 1654A–77; 20 U.S.C.  
14 7703a).

15 (b) USE OF CERTAIN AMOUNT.—Of the amount  
16 available under subsection (a) for payments as described  
17 in that subsection, \$5,000,000 shall be available for such  
18 payments to local educational agencies determined by the  
19 Secretary of Defense, in the discretion of the Secretary,  
20 to have higher concentrations of military children with se-  
21 vere disabilities.

1 **SEC. 573. RI'KATAK GUEST STUDENT PROGRAM AT UNITED**  
2 **STATES ARMY GARRISON—KWAJALEIN**  
3 **ATOLL.**

4 (a) PROGRAM AUTHORIZED.—The Secretary of the  
5 Army may conduct an assistance program to educate up  
6 to five local national students per grade, per academic  
7 year, on a space-available basis at the contractor-operated  
8 schools on United States Army Garrison—Kwajalein Atoll.  
9 The program shall be known as the “Ri’katak Guest Stu-  
10 dent Program”.

11 (b) STUDENT ASSISTANCE.—Assistance that may be  
12 provided to students participating in the program carried  
13 out pursuant to subsection (a) includes the following:

- 14 (1) Classroom instruction.
- 15 (2) Extracurricular activities.
- 16 (3) Student meals.
- 17 (4) Transportation.

1           **PART II—MILITARY FAMILY READINESS**

2                           **MATTERS**

3   **SEC. 576. TWO-YEAR EXTENSION OF AUTHORITY FOR REIM-**  
4                           **BURSEMENT FOR STATE LICENSURE AND**  
5                           **CERTIFICATION COSTS OF SPOUSES OF MEM-**  
6                           **BERS OF THE ARMED FORCES ARISING FROM**  
7                           **RELOCATION TO ANOTHER STATE.**

8           Section 476(p)(4) of title 37, United States Code, is  
9   amended by striking “December 31, 2022” and inserting  
10 “December 31, 2024”.

11 **SEC. 577. IMPROVEMENT OF OCCUPATIONAL LICENSE**  
12                           **PORTABILITY FOR MILITARY SPOUSES**  
13                           **THROUGH INTERSTATE COMPACTS.**

14           Section 1784 of title 10, United States Code, is  
15   amended by adding at the end the following new sub-  
16   section:

17           “(h) IMPROVEMENT OF OCCUPATIONAL LICENSE  
18   PORTABILITY THROUGH INTERSTATE COMPACTS.—

19                   “(1) IN GENERAL.—The Secretary of Defense  
20           shall seek to enter into a cooperative agreement with  
21           the Council of State Governments to assist with  
22           funding of the development of interstate compacts  
23           on licensed occupations in order to alleviate the bur-  
24           den associated with relicensing in such an occupa-  
25           tion by spouse of a member of the armed forces in

1 connection with a permanent change of duty station  
2 of members to another State.

3 “(2) LIMITATION ON ASSISTANCE PER COM-  
4 PACT.—The amount provided under paragraph (1)  
5 as assistance for the development of any particular  
6 interstate compact may not exceed \$1,000,000.

7 “(3) LIMITATION ON TOTAL AMOUNT OF AS-  
8 SISTANCE.—The total amount of assistance provided  
9 under paragraph (1) in any fiscal year may not ex-  
10 ceed \$4,000,000.

11 “(4) ANNUAL REPORT.—Not later than Feb-  
12 ruary 28 each year, the Secretary shall submit to  
13 the Committees on Armed Services of the Senate  
14 and the House of Representatives a report on inter-  
15 state compacts described in paragraph (1) developed  
16 through assistance provided under that paragraph.  
17 Each report shall set forth the following:

18 “(A) Any interstate compact developed  
19 during the preceding calendar year, including  
20 the occupational licenses covered by such com-  
21 pact and the States agreeing to enter into such  
22 compact.

23 “(B) Any interstate compact developed  
24 during a prior calendar year into which one or

1 more additional States agreed to enter during  
2 the preceding calendar year.

3 “(5) EXPIRATION.—The authority to enter into  
4 a cooperative agreement under paragraph (1), and  
5 to provide assistance described in that paragraph  
6 pursuant to such cooperative agreement, shall expire  
7 on September 30, 2024.”.

8 **SEC. 578. MODIFICATION OF RESPONSIBILITY OF THE OF-**  
9 **FICE OF SPECIAL NEEDS FOR INDIVIDUAL-**  
10 **IZED SERVICE PLANS FOR MEMBERS OF MILI-**  
11 **TARY FAMILIES WITH SPECIAL NEEDS.**

12 Subparagraph (F) of section 1781c(d)(4) of title 10,  
13 United States Code, is amended to read as follows:

14 “(F) Requirements regarding the development  
15 of an individualized services plan for each military  
16 family member with special needs when requested in  
17 connection with the completion of a family needs as-  
18 sessment for the military family concerned.”.

19 **SEC. 579. CLARIFYING TECHNICAL AMENDMENT ON DI-**  
20 **RECT HIRE AUTHORITY FOR THE DEPART-**  
21 **MENT OF DEFENSE FOR CHILDCARE SERV-**  
22 **ICES PROVIDERS FOR DEPARTMENT CHILD**  
23 **DEVELOPMENT CENTERS.**

24 Section 559(e) of the National Defense Authorization  
25 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.

1 1406; 10 U.S.C. 1792 note) is amended by inserting “(in-  
2 cluding family childcare coordinator services and school  
3 age childcare coordinator services)” after “childcare serv-  
4 ices”.

5 **SEC. 580. PILOT PROGRAM ON INFORMATION SHARING BE-**  
6 **TWEEN DEPARTMENT OF DEFENSE AND DES-**  
7 **IGNATED RELATIVES AND FRIENDS OF MEM-**  
8 **BERS OF THE ARMED FORCES REGARDING**  
9 **THE EXPERIENCES AND CHALLENGES OF**  
10 **MILITARY SERVICE.**

11 (a) PILOT PROGRAM REQUIRED.—

12 (1) IN GENERAL.—Not later than one year  
13 after the date of the enactment of this Act, the Sec-  
14 retary of Defense shall seek to enter into an agree-  
15 ment with the American Red Cross to carry out a  
16 pilot program under which the American Red  
17 Cross—

18 (A) encourages a member of the Armed  
19 Forces, upon the enlistment or appointment of  
20 such member, to designate up to 10 persons to  
21 whom information regarding the military serv-  
22 ice of such member shall be disseminated using  
23 contact information obtained under paragraph  
24 (6); and

1           (B) provides such persons, within 30 days  
2           after the date on which such persons are des-  
3           ignated under subparagraph (A), the option to  
4           elect to receive such information regarding mili-  
5           tary service.

6           (2) DISSEMINATION.—The Secretary shall dis-  
7           seminate information described in paragraph (1)(A)  
8           under the pilot program on a regular basis.

9           (3) TYPES OF INFORMATION.—The types of in-  
10          formation to be disseminated under the pilot pro-  
11          gram to persons who elect to receive such informa-  
12          tion shall include information regarding—

13                (A) aspects of daily life and routine experi-  
14                enced by members of the Armed Forces;

15                (B) the challenges and stresses of military  
16                service, particularly during and after deploy-  
17                ment as part of a contingency operation;

18                (C) the services available to members of  
19                the Armed Forces and the dependents of such  
20                members to cope with the experiences and chal-  
21                lenges of military service;

22                (D) benefits administered by the Depart-  
23                ment of Defense for members of the Armed  
24                Forces and the dependents of such members;

1           (E) a toll-free telephone number through  
2           which such persons who elect to receive infor-  
3           mation under the pilot program may request in-  
4           formation regarding the program; and

5           (F) such other information as the Sec-  
6           retary determines to be appropriate.

7           (4) PRIVACY OF INFORMATION.—In carrying  
8           out the pilot program, the Secretary may not dis-  
9           seminate information under paragraph (3) in viola-  
10          tion of laws and regulations pertaining to the pri-  
11          vacy of members of the Armed Forces, including re-  
12          quirements pursuant to—

13           (A) section 552a of title 5, United States  
14          Code; and

15           (B) the Health Insurance Portability and  
16          Accountability Act of 1996 (Public Law 104–  
17          191).

18          (5) NOTICE AND MODIFICATIONS.—In carrying  
19          out the pilot program, the Secretary shall, with re-  
20          spect to a member of the Armed Forces—

21           (A) ensure that such member is notified of  
22          the ability to modify designations made by such  
23          member under paragraph (1)(B); and

1           (B) upon the request of a member, author-  
2           ize such member to modify such designations at  
3           any time.

4           (6) CONTACT INFORMATION.—In making a des-  
5           ignation under the pilot program, a member of the  
6           Armed Forces shall provide necessary contact infor-  
7           mation, specifically including an email address, to  
8           facilitate the dissemination of information regarding  
9           the military service of the member.

10          (7) OPT-IN AND OPT-OUT OF PROGRAM.—

11           (A) OPT-IN BY MEMBERS.—A member may  
12           participate in the pilot program only if the  
13           member voluntarily elects to participate in the  
14           program. A member seeking to make such an  
15           election shall make such election in a manner,  
16           and by including such information, as the Sec-  
17           retary and the Red Cross shall jointly specify  
18           for purposes of the pilot program.

19           (B) OPT-IN BY DESIGNATED RECIPI-  
20           ENTS.—A person designated pursuant to para-  
21           graph (1)(A) may receive information under the  
22           pilot program only if the person makes the elec-  
23           tion described in paragraph(1)(B).

24           (C) OPT-OUT.—In carrying out the pilot  
25           program, the Secretary shall, with respect to a

1 person who has elected to receive information  
2 under such pilot program, cease disseminating  
3 such information to that person upon request of  
4 such person.

5 (b) SURVEY AND REPORT ON PILOT PROGRAM.—

6 (1) SURVEY.—Not later than two years after  
7 the date on which the pilot program commences, the  
8 Secretary, in consultation with the American Red  
9 Cross, shall administer a survey to persons who  
10 elected to receive information under the pilot pro-  
11 gram for the purpose of receiving feedback regarding  
12 the quality of information disseminated under this  
13 section, including whether such information appro-  
14 priately reflects the military career progression of  
15 members of the Armed Forces.

16 (2) REPORT.—Not later than three years after  
17 the date on which the pilot program commences, the  
18 Secretary shall submit to the congressional defense  
19 committees a final report on the pilot program which  
20 includes—

21 (A) the results of the survey administered  
22 under paragraph (1);

23 (B) a determination as to whether the pilot  
24 program should be made permanent; and

1 (C) recommendations as to modifications  
2 necessary to improve the program if made per-  
3 manent.

4 (c) TERMINATION OF PILOT PROGRAM.—The pilot  
5 program shall terminate upon submission of the report re-  
6 quired by subsection (b)(2).

7 **SEC. 581. BRIEFING ON USE OF FAMILY ADVOCACY PRO-**  
8 **GRAMS TO ADDRESS DOMESTIC VIOLENCE.**

9 Not later than 180 days after the date of the enact-  
10 ment of this Act, the Secretary of Defense shall provide  
11 to the Committees on Armed Services of the Senate and  
12 the House of Representatives a briefing on various mecha-  
13 nisms by which the Family Advocacy Programs (FAPs)  
14 of the military departments may be used and enhanced  
15 in order to end domestic violence among members of the  
16 Armed Forces and support survivors of such violence and  
17 their dependents.

18 **Subtitle G—Decorations and**  
19 **Awards**

20 **SEC. 585. AUTHORIZATION FOR AWARD OF THE MEDAL OF**  
21 **HONOR TO JOHN J. DUFFY FOR ACTS OF**  
22 **VALOR IN VIETNAM.**

23 (a) WAIVER OF TIME LIMITATIONS.—Notwith-  
24 standing the time limitations specified in section 3744 of  
25 title 10, United States Code, or any other time limitation

1 with respect to the awarding of certain medals to persons  
 2 who served in the Armed Forces, the President may award  
 3 the Medal of Honor under section 3741 of such title to  
 4 John J. Duffy for the acts of valor in Vietnam described  
 5 in subsection (b).

6 (b) ACTS OF VALOR DESCRIBED.—The acts of valor  
 7 referred to in subsection (a) are the actions of John J.  
 8 Duffy on April 14 and 15, 1972, in Vietnam for which  
 9 he was previously awarded the Distinguished-Service  
 10 Cross.

11 **SEC. 586. STANDARDIZATION OF HONORABLE SERVICE RE-**  
 12 **QUIREMENT FOR AWARD OF MILITARY DECO-**  
 13 **RATIONS.**

14 (a) HONORABLE SERVICE REQUIREMENT.—

15 (1) IN GENERAL.—Chapter 57 of title 10,  
 16 United States Code, is amended by adding at the  
 17 end the following new section

18 **“§ 1136. Honorable service requirement for award of**  
 19 **military decorations**

20 “No military decoration, including a medal, cross, or  
 21 bar, or an associated emblem or insignia, may be awarded  
 22 or presented to any person, or to a representative of the  
 23 person, if the service of the person after the person distin-  
 24 guished himself or herself has not been honorable.”.

1           (2) CLERICAL AMENDMENT.—The table of sec-  
2           tions at the beginning of chapter 57 of such title is  
3           amended by adding at the end the following:

“1136. Honorable service requirement for award of military decorations.”.

4           (b) CONFORMING AMENDMENTS.—Title 10, United  
5 States Code, is further amended as follows:

6           (1) In section 7274—

7                   (A) in subsection (b) in the matter pre-  
8                   ceding paragraph (1), by striking “subsection  
9                   (d)” and inserting “subsection (e)”;

10                   (B) by striking subsection (c); and

11                   (C) by redesignating subsection (d) as sub-  
12                   section (e).

13           (2)(A) Section 8299 is repealed.

14           (B) The table of sections at the beginning of  
15           chapter 837 is amended by striking the item relating  
16           to section 8299.

17           (3) In section 9274—

18                   (A) in subsection (b) in the matter pre-  
19                   ceding paragraph (1), by striking “subsection  
20                   (d)” and inserting “subsection (e)”;

21                   (B) by striking subsection (c); and

22                   (C) by redesignating subsection (d) as sub-  
23                   section (e).

24           (4) In section 9279, by striking subsection (c).

1 **SEC. 587. AUTHORITY TO AWARD OR PRESENT A DECORA-**  
 2 **TION NOT PREVIOUSLY RECOMMENDED IN A**  
 3 **TIMELY FASHION FOLLOWING A REVIEW RE-**  
 4 **QUESTED BY CONGRESS.**

5 (a) **AUTHORITY TO AWARD OR PRESENT.**—Section  
 6 1130 of title 10, United States Code, is amended—

7 (1) by redesignating subsection (d) as sub-  
 8 section (e); and

9 (2) by inserting after subsection (c) the fol-  
 10 lowing new subsection (d):

11 “(d)(1) A decoration may be awarded or presented  
 12 following the submittal of a recommendation under sub-  
 13 section (b) approving the award or presentation.

14 “(2) The authority to make an award or presentation  
 15 under this subsection shall apply notwithstanding any lim-  
 16 itation described in subsection (a).”.

17 (b) **CONFORMING AND CLERICAL AMENDMENTS.**—

18 (1) **HEADING AMENDMENT.**—The heading of  
 19 such section is amended to read as follows:

20 **“§ 1130. Consideration of proposals for decorations**  
 21 **not previously submitted in timely fash-**  
 22 **ion: procedures for review and award or**  
 23 **presentation”.**

24 (2) **CLERICAL AMENDMENT.**—The table of sec-  
 25 tions at the beginning of chapter 57 of such title is

1 amended by striking the item relating to section  
2 1130 and inserting the following new item:

“1130. Consideration of proposals for decorations not previously submitted in  
timely fashion: procedures for review and award or presentation.”.

3 **SEC. 588. AUTHORITY TO MAKE POSTHUMOUS AND HON-**  
4 **ORARY PROMOTIONS AND APPOINTMENTS**  
5 **FOLLOWING A REVIEW REQUESTED BY CON-**  
6 **GRESS.**

7 (a) **AUTHORITY TO MAKE.**—Section 1563 of title 10,  
8 United States Code, is amended—

9 (1) by redesignating subsection (c) as sub-  
10 section (e); and

11 (2) by inserting after subsection (b) the fol-  
12 lowing new subsections:

13 “(c) **AUTHORITY TO MAKE.**—(1) Under regulations  
14 prescribed by the Secretary of Defense, a posthumous or  
15 honorary promotion or appointment may be made fol-  
16 lowing the submittal of a determination under subsection  
17 (b) if the determination is to approve the making of such  
18 promotion of appointment.

19 “(2) The authority to make a promotion or appoint-  
20 ment under this subsection shall apply notwithstanding  
21 that such promotion or appointment is not otherwise au-  
22 thorized by law.

23 “(d) **ADDITIONAL BENEFITS NOT TO ACCRUE.**—The  
24 promotion or appointment of individual pursuant to sub-

1 section (c) shall not affect the retired pay or other benefits  
 2 from the United States to which the individual would have  
 3 been entitled based upon the individual’s military service,  
 4 if any, or affect any benefits to which any other person  
 5 may become entitled based on the individual’s military  
 6 service, if any.”.

7 (b) CONFORMING AND CLERICAL AMENDMENTS.—

8 (1) HEADING AMENDMENT.—The heading of  
 9 such section is amended to read as follows:

10 **“§ 1563. Consideration of proposals for posthumous**  
 11 **and honorary promotions and appoint-**  
 12 **ments: procedures for review and pro-**  
 13 **motion or appointment”.**

14 (2) CLERICAL AMENDMENT.—The table of sec-  
 15 tions at the beginning of chapter 80 of such title is  
 16 amended by striking the item relating to section  
 17 1563 and inserting the following new item:

“1563. Consideration of proposals for posthumous and honorary promotions and  
 appointments: procedures for review and promotion or appoint-  
 ment.”.

## 18 **Subtitle H—Other Matters**

### 19 **SEC. 591. MILITARY FUNERAL HONORS MATTERS.**

20 (a) FULL MILITARY HONORS CEREMONY FOR CER-  
 21 TAIN VETERANS.—Section 1491(b) of title 10, United  
 22 States Code, is amended by adding at the end the fol-  
 23 lowing:

1       “(3) The Secretary concerned shall provide full mili-  
2 tary honors (as determined by the Secretary concerned)  
3 for the funeral of a veteran who—

4               “(A) is first interred or first inurned in Arling-  
5 ton National Cemetery on or after the date of the  
6 enactment of the National Defense Authorization  
7 Act for Fiscal Year 2020;

8               “(B) was awarded the medal of honor or the  
9 prisoner-of-war medal; and

10              “(C) is not entitled to full military honors by  
11 the grade of that veteran.”.

12       (b) FULL MILITARY FUNERAL HONORS FOR VET-  
13 ERANS AT MILITARY INSTALLATIONS.—

14              (1) INSTALLATION PLANS FOR HONORS RE-  
15 QUIRED.—The commander of each military installa-  
16 tion at or through which a funeral honors detail for  
17 a veteran is provided pursuant to section 1491 of  
18 title 10, United States Code (as amended by sub-  
19 section (a)), shall maintain and carry out a plan for  
20 the provision, upon request, of full military funeral  
21 honors at funerals of veterans for whom a funeral  
22 honors detail is authorized in that section.

23              (2) ELEMENTS.—Each plan of an installation  
24 under paragraph (1) shall include the following:

1           (A) Mechanisms to ensure compliance with  
2 the requirements applicable to the composition  
3 of funeral honors details in section 1491(b) of  
4 title 10, United States Code (as so amended).

5           (B) Mechanisms to ensure compliance with  
6 the requirements for ceremonies for funerals in  
7 section 1491(e) of such title.

8           (C) In addition to the ceremonies required  
9 pursuant to subparagraph (B), the provision of  
10 a gun salute for each funeral by appropriate  
11 personnel, including personnel of the installa-  
12 tion, members of the reserve components of the  
13 Armed Forces residing in the vicinity of the in-  
14 stallation who are ordered to funeral honors  
15 duty, and members of veterans organizations or  
16 other organizations referred to in section  
17 1491(b)(2) of such title.

18           (D) Mechanisms for the provision of sup-  
19 port authorized by section 1491(d) of such title.

20           (E) Such other mechanisms and activities  
21 as the Secretary concerned considers appro-  
22 priate in order to assure that full military fu-  
23 neral honors are provided upon request at fu-  
24 nerals of veterans.

25           (3) DEFINITIONS.—In this subsection:

1           (A) The term “Secretary concerned” has  
2           the meaning given that term in section  
3           101(a)(9) of title 10, United States Code.

4           (B) The term “veteran” has the meaning  
5           given that term in section 1491(h) of title 10,  
6           United States Code.

7 **SEC. 592. INCLUSION OF HOMESCHOOLED STUDENTS IN**  
8           **JUNIOR RESERVE OFFICERS’ TRAINING**  
9           **CORPS UNITS.**

10          Section 2031 of title 10, United States Code, is  
11          amended by adding at the end the following new sub-  
12          section:

13          “(g)(1) Each public secondary educational institution  
14          that maintains a unit under this section shall permit mem-  
15          bership in the unit to homeschooled students residing in  
16          the area served by the institution who are qualified for  
17          membership in the unit (but for lack of enrollment in the  
18          institution).

19          “(2) A student who is a member of a unit pursuant  
20          to this subsection shall count toward the satisfaction by  
21          the institution concerned of the requirement in subsection  
22          (b)(1) relating to the minimum number of student mem-  
23          bers in the unit necessary for the continuing maintenance  
24          of the unit.”.

1 **SEC. 593. SENSE OF SENATE ON THE JUNIOR RESERVE OF-**  
2 **FICERS' TRAINING CORPS.**

3 It is the sense of the Senate that—

4 (1) the Junior Reserve Officers' Training Corps  
5 (JROTC) is a valuable program that instill the val-  
6 ues of citizenship, service to the community, per-  
7 sonal responsibility and a sense of accomplishment  
8 in high school students;

9 (2) the Junior Reserve Officers' Training Corps  
10 is supported by all the Armed Forces, and there are  
11 Junior Reserve Officers' Training Corps units in all  
12 50 States, 4 United States territories, and the Dis-  
13 trict of Columbia;

14 (3) the Junior Reserve Officers' Training Corps  
15 consistently improves student outcomes across a  
16 wide variety of academic and nonacademic data  
17 points, including grade point average, high school  
18 graduation and college acceptance rates, standard-  
19 ized test scores, drop-out rates, discipline problems,  
20 and leadership skills;

21 (4) the Department of Defense should view the  
22 Junior Reserve Officers' Training Corps as a unique  
23 program to help close the divide between the military  
24 and the greater civilian community in the United  
25 States;

1 (5) given the increased funding and more flexi-  
 2 ble policy authorized in the John S. McCain Na-  
 3 tional Defense Authorization Act for Fiscal Year  
 4 2019 (Public Law 115–232), the Department should  
 5 take every possible action to increase the number of  
 6 Junior Reserve Officers’ Training Corps units at  
 7 schools around the United States; and

8 (6) the desired number of Junior Reserve Offi-  
 9 cers’ Training Corps units should be at least 3,700  
 10 in order to relieve a significant backlog in requests  
 11 to establish such units.

12 **TITLE VI—COMPENSATION AND**  
 13 **OTHER PERSONNEL BENEFITS**  
 14 **Subtitle A—Pay and Allowances**

15 **SEC. 601. EXPANSION OF ELIGIBILITY FOR EXCEPTIONAL**  
 16 **TRANSITIONAL COMPENSATION FOR DE-**  
 17 **PENDENTS TO DEPENDENTS OF CURRENT**  
 18 **MEMBERS.**

19 Section 1059(m) of title 10, United States Code, is  
 20 amended—

21 (1) in the subsection heading, by inserting  
 22 “MEMBERS OR” after “DEPENDENTS OF”;

23 (2) by inserting “member or” before “former  
 24 member” each place it appears;

1           (3) by redesignating paragraph (3) as para-  
2 graph (4); and

3           (4) by inserting after paragraph (2) the fol-  
4 lowing new paragraph (3):

5           “(3) For purposes of the provision of benefits under  
6 this section pursuant to this subsection, a member shall  
7 be considered separated from active duty upon the earliest  
8 of—

9           “(A) the date an administrative separation is  
10 initiated by a commander of the member;

11           “(B) the date the court-martial sentence is ad-  
12 judged if the sentence, as adjudged, includes a dis-  
13 missal, dishonorable discharge, bad conduct dis-  
14 charge, or forfeiture of all pay and allowances; or

15           “(C) the date the member’s term of service ex-  
16 pires.”.

17           **Subtitle B—Bonuses and Special**  
18                                   **and Incentive Pays**

19           **SEC. 611. ONE-YEAR EXTENSION OF CERTAIN EXPIRING**  
20                                   **BONUS AND SPECIAL PAY AUTHORITIES.**

21           (a)    AUTHORITIES    RELATING    TO    RESERVE  
22 FORCES.—Section 910(g) of title 37, United States Code,  
23 relating to income replacement payments for reserve com-  
24 ponent members experiencing extended and frequent mo-  
25 bilization for active duty service, is amended by striking

1 “December 31, 2019” and inserting “December 31,  
2 2020”.

3 (b) TITLE 10 AUTHORITIES RELATING TO HEALTH  
4 CARE PROFESSIONALS.—The following sections of title  
5 10, United States Code, are amended by striking “Decem-  
6 ber 31, 2019” and inserting “December 31, 2020”:

7 (1) Section 2130a(a)(1), relating to nurse offi-  
8 cer candidate accession program.

9 (2) Section 16302(d), relating to repayment of  
10 education loans for certain health professionals who  
11 serve in the Selected Reserve.

12 (c) AUTHORITIES RELATING TO NUCLEAR OFFI-  
13 CERS.—Section 333(i) of title 37, United States Code, is  
14 amended by striking “December 31, 2019” and inserting  
15 “December 31, 2020”.

16 (d) AUTHORITIES RELATING TO TITLE 37 CONSOLI-  
17 DATED SPECIAL PAY, INCENTIVE PAY, AND BONUS AU-  
18 THORITIES.—The following sections of title 37, United  
19 States Code, are amended by striking “December 31,  
20 2019” and inserting “December 31, 2020”:

21 (1) Section 331(h), relating to general bonus  
22 authority for enlisted members.

23 (2) Section 332(g), relating to general bonus  
24 authority for officers.

1           (3) Section 334(i), relating to special aviation  
2           incentive pay and bonus authorities for officers.

3           (4) Section 335(k), relating to special bonus  
4           and incentive pay authorities for officers in health  
5           professions.

6           (5) Section 336(g), relating to contracting  
7           bonus for cadets and midshipmen enrolled in the  
8           Senior Reserve Officers' Training Corps.

9           (6) Section 351(h), relating to hazardous duty  
10          pay.

11          (7) Section 352(g), relating to assignment pay  
12          or special duty pay.

13          (8) Section 353(i), relating to skill incentive  
14          pay or proficiency bonus.

15          (9) Section 355(h), relating to retention incen-  
16          tives for members qualified in critical military skills  
17          or assigned to high priority units.

18          (e) AUTHORITY TO PROVIDE TEMPORARY INCREASE  
19          IN RATES OF BASIC ALLOWANCE FOR HOUSING.—Section  
20          403(b)(7)(E) of title 37, United States Code, is amended  
21          by striking “December 31, 2019” and inserting “Decem-  
22          ber 31, 2020”.

1                   **Subtitle C—Travel and**  
2                   **Transportation Allowances**

3   **SEC. 621. EXTENSION OF PILOT PROGRAM ON A GOVERN-**  
4                   **MENT LODGING PROGRAM.**

5           Section 914(b) of the Carl Levin and Howard P.  
6 “Buck” McKeon National Defense Authorization Act for  
7 Fiscal Year 2015 (5 U.S.C. 5911 note) is amended by  
8 striking “December 31, 2019” and inserting “December  
9 31, 2020”.

10   **SEC. 622. REINVESTMENT OF TRAVEL REFUNDS BY THE DE-**  
11                   **PARTMENT OF DEFENSE.**

12           (a) REFUNDS FOR OFFICIAL TRAVEL.—Subchapter  
13 I of chapter 8 of title 37, United States Code, is amended  
14 by adding at the end the following new section:

15   **“§ 456. Managed travel program refunds**

16           “(a) CREDIT OF REFUNDS.—The Secretary of De-  
17 fense may credit refunds attributable to Department of  
18 Defense managed travel programs as a direct result of of-  
19 ficial travel to such operation and maintenance or re-  
20 search, development, test, and evaluation accounts of the  
21 Department as designated by the Secretary that are avail-  
22 able for obligation for the fiscal year in which the refund  
23 or amount is collected.

24           “(b) USE OF REFUNDS.—Refunds credited under  
25 subsection (a) may only be used for official travel or oper-

1 ations and efficiency improvements for improved financial  
2 management of official travel.

3 “(c) DEFINITIONS.—In this section:

4 “(1) MANAGED TRAVEL PROGRAM.—The term  
5 ‘managed travel program’ includes air, rental car,  
6 train, bus, dining, lodging, and travel management,  
7 but does not include rebates or refunds attributable  
8 to the use of the Government travel card, the Gov-  
9 ernment Purchase Card, or Government travel ar-  
10 ranged by Government Contracted Travel Manage-  
11 ment Centers.

12 “(2) REFUND.—The term ‘refund’ includes  
13 miscellaneous receipts credited to the Department  
14 identified as a refund, rebate, repayment, or other  
15 similar amounts collected.”.

16 (b) CLERICAL AMENDMENT.—The table of sections  
17 at the beginning of chapter 8 of such title is amended by  
18 inserting after the item relating to section 455 the fol-  
19 lowing new item:

“456. Managed travel program refunds.”.

20 (c) CLARIFICATION ON RETENTION OF TRAVEL PRO-  
21 MOTIONAL ITEMS.—Section 1116(a) of the National De-  
22 fense Authorization Act for Fiscal Year 2002 (Public Law  
23 107–107; 5 U.S.C. 5702 note) is amended—

1           (1) by striking “DEFINITION.—In this section,  
2           the term” and inserting the following: “DEFINI-  
3           TIONS.—In this section:

4           “(1) The term”; and

5           (2) by adding at the end the following new  
6           paragraph:

7           “(2) The term ‘general public’ includes the  
8           Federal Government or an agency.”.

9           **Subtitle D—Disability Pay, Retired**  
10           **Pay, and Survivor Benefits**

11           **SEC. 631. CONTRIBUTIONS TO DEPARTMENT OF DEFENSE**  
12                           **MILITARY RETIREMENT FUND BASED ON PAY**  
13                           **COSTS PER ARMED FORCE RATHER THAN ON**  
14                           **ARMED FORCES-WIDE BASIS.**

15           (a) DETERMINATION OF CONTRIBUTIONS GEN-  
16           ERALLY.—Section 1465(c) of title 10, United States Code,  
17           is amended—

18           (1) in paragraph (1)—

19                   (A) in subparagraph (A), by striking “sin-  
20                   gle level percentage of basic pay for active duty  
21                   (other than the Coast Guard) and for full-time  
22                   National Guard duty” and inserting “percent-  
23                   age of basic pay for each armed force (other  
24                   than the Coast Guard) and for any full-time  
25                   National Guard duty”;

1 (B) in subparagraph (B)—

2 (i) by striking “single level”; and

3 (ii) by striking “members of the Se-  
4 lected Reserve of the armed forces (other  
5 than the Coast Guard)” and inserting  
6 “each armed force (other than the Coast  
7 Guard) for members of the Selected Re-  
8 serve”; and

9 (C) in the flush matter following subpara-  
10 graph (B), by striking “single level”; and

11 (2) in paragraph (4)—

12 (A) by striking “a single level percentage  
13 determined” both places it appears and insert-  
14 ing “percentages”; and

15 (B) in the flush matter following subpara-  
16 graph (B), by striking “single level”.

17 (b) CONFORMING AMENDMENTS.—

18 (1) DETERMINATION OF CONTRIBUTIONS.—

19 Section 1465(b) of title 10, United States Code, is  
20 amended—

21 (A) in paragraph (1)—

22 (i) in subparagraph (A)—

23 (I) in the matter preceding clause

24 (i), by striking “product” and insert-  
25 ing “aggregate of the products”;

1 (II) in clause (i), by striking  
2 “single level percentage of basic pay”  
3 and inserting “percentage of basic pay  
4 for each armed force (other than the  
5 Coast Guard)”; and

6 (III) in clause (ii), by striking  
7 “for active duty (other than the Coast  
8 Guard) and for full-time National  
9 Guard duty” and inserting “for such  
10 armed force for active duty and for  
11 any full-time National Guard duty”;  
12 and

13 (ii) in subparagraph (B)—

14 (I) in the matter preceding clause  
15 (i), by striking “product” and insert-  
16 ing “aggregate of the products”;

17 (II) in clause (i), by striking  
18 “single level percentage of basic pay  
19 and of compensation (paid pursuant  
20 to section 206 of title 37)” and insert-  
21 ing “percentage of basic pay and of  
22 compensation (paid pursuant to sec-  
23 tion 206 of title 37) for each armed  
24 force (other than the Coast Guard)”;  
25 and

1 (III) in clause (ii), by striking  
2 “the armed forces (other than the  
3 Coast Guard)” and inserting “such  
4 armed force”; and

5 (B) in paragraph (3), by striking “single  
6 level”.

7 (2) PAYMENTS OF CONTRIBUTIONS.—Section  
8 1466(a) of such title is amended—

9 (A) in paragraph (1)—

10 (i) in the matter preceding subpara-  
11 graph (A), by striking “product” and in-  
12 serting “aggregate of the products”;

13 (ii) in subparagraph (A), by striking  
14 “level percentage of basic pay” and insert-  
15 ing “percentage of basic pay for each  
16 armed force (other than the Coast  
17 Guard)”;

18 (iii) in subparagraph (B), by striking  
19 “for active duty (other than for the Coast  
20 Guard) and for full-time National Guard  
21 duty” and inserting “for such armed force  
22 for active duty and for any full-time Na-  
23 tional Guard duty”; and

24 (B) in paragraph (2)—

1 (i) in the matter preceding subpara-  
2 graph (A), by striking “product” and in-  
3 serting “aggregate of the products”;

4 (ii) in subparagraph (A), by striking  
5 “level percentage of basic pay and of com-  
6 pensation (paid pursuant to section 206 of  
7 title 37)” and inserting “percentage of  
8 basic pay and of compensation (paid pur-  
9 suant to section 206 of title 37) for each  
10 armed force (other than the Coast  
11 Guard)”;

12 (iii) in subparagraph (B), by striking  
13 “the armed forces (other than the Coast  
14 Guard)” and inserting “such armed force”.

15 (c) EFFECTIVE DATE.—The amendments made by  
16 this section shall take effect on October 1, 2019, and shall  
17 apply with respect to determinations of contributions to  
18 the Department of Defense Military Retirement Fund,  
19 and payments into the Fund, beginning with fiscal year  
20 2021.

1 **SEC. 632. MODIFICATION OF AUTHORITIES ON ELIGIBILITY**  
2 **FOR AND REPLACEMENT OF GOLD STAR**  
3 **LAPEL BUTTONS.**

4 (a) **EXPANSION OF AUTHORITY TO DETERMINE**  
5 **NEXT OF KIN FOR ISSUANCE.**—Section 1126 of title 10,  
6 United States Code, is amended—

7 (1) in subsection (a), by striking “widows, par-  
8 ents, and” in the matter preceding paragraph (1);

9 (2) in subsection (b), by striking “the widow  
10 and to each parent and” and inserting “each”; and

11 (3) in subsection (d)—

12 (A) by striking paragraphs (1), (2), (3),  
13 and (4) and inserting the following new para-  
14 graph (1):

15 “(1) The term ‘next of kin’ means individuals  
16 standing in such relationship to members of the  
17 armed forces described in subsection (a) as the Sec-  
18 retaries concerned shall jointly specify in regulations  
19 for purposes of this section.”; and

20 (B) by redesignating paragraphs (5), (6),  
21 (7), and (8) as paragraphs (2), (3), (4), and  
22 (5), respectively.

23 (b) **REPLACEMENT.**—Subsection (c) of such section  
24 is amended by striking “and payment” and all that follows  
25 and inserting “and without cost.”.

1 **Subtitle E—Commissary and Non-**  
2 **Appropriated Fund Instrumen-**  
3 **tality Benefits and Operations**

4 **SEC. 641. DEFENSE RESALE SYSTEM MATTERS.**

5 (a) IN GENERAL.—The Under Secretary of Defense  
6 for Personnel and Readiness shall, in coordination with  
7 the Chief Management Officer of the Department of De-  
8 fense, maintain oversight of business transformation ef-  
9 forts of the defense commissary system and the exchange  
10 store system in order to ensure the following:

11 (1) Development of an intercomponent business  
12 strategy that maximizes efficiencies and results in a  
13 viable defense resale system in the future.

14 (2) Preservation of patron savings and satisfac-  
15 tion from and in the defense commissary system and  
16 exchange stores system.

17 (3) Sustainment of financial support of the de-  
18 fense commissary and exchange systems for morale,  
19 welfare, and recreation (MWR) services of the  
20 Armed Forces.

21 (b) EXECUTIVE RESALE BOARD ADVICE ON OPER-  
22 ATIONS OF SYSTEMS.—The Executive Resale Board of the  
23 Department of Defense shall advise the Under Secretary  
24 on the implementation of sustainable, complementary op-

1 erations of the defense commissary system and the ex-  
2 change stores system.

3 (c) PRACTICES AND SERVICES.—

4 (1) IN GENERAL.—The Secretary of Defense  
5 shall, acting through the Under Secretary and with  
6 advice from the Executive Resale Board, require the  
7 Defense Commissary Agency and the Military Ex-  
8 change Service to identify and implement practices  
9 and services described in paragraph (2) across the  
10 defense resale system.

11 (2) PRACTICES AND SERVICES.—Practices and  
12 services described in this paragraph shall include the  
13 following:

14 (A) Best commercial business practices.

15 (B) Shared-services systems that increase  
16 efficiencies across the defense resale system, in-  
17 cluding in transportation of goods, application-  
18 based marketing initiatives and other mobile  
19 electronic-commerce programs, facilities con-  
20 struction, back-office information technology  
21 systems, human resource management, legal  
22 services, financial services, and advertising.

23 (C) Integration of services provided by the  
24 exchange stores system within commissary sys-  
25 tem facilities, as appropriate, including services

1           such as dry cleaning, health and wellness activi-  
2           ties, pharmacies, urgent care centers, food, and  
3           other retail services.

4           (d) INFORMATION TECHNOLOGY MODERNIZATION.—

5   The Secretary shall, acting through the Under Secretary  
6   and with advice from the Executive Resale Board, require  
7   the Defense Commissary Agency and the Military Ex-  
8   change Service to do as follows:

9           (1) Field new technologies and best business  
10          practices for information technology for the defense  
11          resale system.

12          (2) Implement cutting-edge marketing opportu-  
13          nities across the defense resale system.

14          (e) INCLUSION OF ADVERTISING IN OPERATING EX-

15   PENSES OF COMMISSARY STORES.—Section 2483(b) of  
16   title 10, United States Code, is amended by adding at the  
17   end the following paragraph:

18           “(7) Advertising of commissary sales on mate-  
19          rials available within commissary stores and at other  
20          on-base locations.”.

1 **SEC. 642. TREATMENT OF FEES ON SERVICES PROVIDED AS**  
2 **SUPPLEMENTAL FUNDS FOR COMMISSARY**  
3 **OPERATIONS.**

4 Section 2483(c) of title 10, United States Code, is  
5 amended by inserting “fees on services provided,” after  
6 “handling fees for tobacco products,”.

7 **SEC. 643. PROCUREMENT BY COMMISSARY STORES OF CER-**  
8 **TAIN LOCALLY SOURCED PRODUCTS.**

9 The Secretary of Defense shall ensure that the dairy  
10 products and fruits and vegetables procured for com-  
11 missary stores under the defense commissary system are,  
12 to the extent practicable, locally sourced in order to ensure  
13 the availability of the freshest possible dairy products and  
14 fruits and vegetables for patrons of the stores.

15 **TITLE VII—HEALTH CARE**  
16 **PROVISIONS**

17 **Subtitle A—TRICARE and Other**  
18 **Health Care Benefits**

19 **SEC. 701. CONTRACEPTION COVERAGE PARITY UNDER THE**  
20 **TRICARE PROGRAM.**

21 (a) IN GENERAL.—Section 1074d(b)(3) of title 10,  
22 United States Code, is amended by inserting before the  
23 period at the end the following: “(including all methods  
24 of contraception approved by the Food and Drug Adminis-  
25 tration, contraceptive care (including with respect to inser-  
26 tion, removal, and follow up), sterilization procedures, and

1 patient education and counseling in connection there-  
2 with)”.  
3

4 (b) PROHIBITION ON COST-SHARING FOR CERTAIN  
5 SERVICES.—

6 (1) TRICARE SELECT.—Section 1075(c) of  
7 such title is amended by adding at the end the fol-  
8 lowing new paragraph:

9 “(4) For all beneficiaries under this section,  
10 there is no cost-sharing for any method of contra-  
11 ception provided by a network provider.”.

12 (2) TRICARE PRIME.—Section 1075a(b) of  
13 such title is amended by adding at the end the fol-  
14 lowing new paragraph:

15 “(5) For all beneficiaries under this section, there is  
16 no cost-sharing for any method of contraception provided  
17 under TRICARE Prime.”.

18 (3) PHARMACY BENEFITS PROGRAM.—Section  
19 1074g(a)(6) of such title is amended by adding at  
20 the end the following new subparagraph:

21 “(D) Notwithstanding subparagraphs (A), (B), and  
22 (C), there is no cost-sharing for any prescription contra-  
23 ceptive on the uniform formulary provided by a retail  
24 pharmacy described in subsection (a)(2)(E)(ii) or the na-  
tional mail-order pharmacy program.”.

1 (c) EFFECTIVE DATE.—The amendments made by  
2 this section shall take effect on January 1, 2020.

3 **SEC. 702. TRICARE PAYMENT OPTIONS FOR RETIREES AND**  
4 **THEIR DEPENDENTS.**

5 (a) IN GENERAL.—Section 1099 of title 10, United  
6 States Code, is amended—

7 (1) by redesignating subsection (d) as sub-  
8 section (e); and

9 (2) by inserting after subsection (c) the fol-  
10 lowing new subsection (d):

11 “(d) PAYMENT OPTIONS.—(1) A member or former  
12 member of the uniformed services, or a dependent thereof,  
13 eligible for medical care and dental care under section  
14 1074(b) or 1076 of this title shall pay a premium for cov-  
15 erage under this chapter.

16 “(2) To the maximum extent practicable, a premium  
17 owed by a member, former member, or dependent under  
18 paragraph (1) shall be withheld from the retired, retainer,  
19 or equivalent pay of the member, former member, or de-  
20 pendent. In all other cases, a premium shall be paid in  
21 a frequency and method determined by the Secretary.”.

22 (b) CONFORMING AND CLERICAL AMENDMENTS.—

23 (1) CONFORMING AMENDMENTS.—Section  
24 1097a of title 10, United States Code, is amended—

25 (A) by striking subsection (c); and

1 (B) by redesignating subsections (d), (e),  
 2 and (f) as subsections (c), (d), and (e), respec-  
 3 tively.

4 (2) HEADING AMENDMENTS.—

5 (A) AUTOMATIC ENROLLMENTS.—The  
 6 heading for section 1097a of such title is  
 7 amended to read as follows:

8 **“§ 1097a. TRICARE Prime: automatic enrollments”.**

9 (B) ENROLLMENT SYSTEM AND PAYMENT  
 10 OPTIONS.—The heading for section 1099 of  
 11 such title is amended to read as follows:

12 **“§ 1099. Health care enrollment system and payment  
 13 options”.**

14 (3) CLERICAL AMENDMENTS.—The table of sec-  
 15 tions at the beginning of chapter 55 of such title is  
 16 amended—

17 (A) by striking the item relating to section  
 18 1097a and inserting the following new item:

“1097a. TRICARE Prime: automatic enrollments.”; and

19 (B) by striking the item relating to section  
 20 1099 and inserting the following new item:

“1099. Health care enrollment system and payment options.”.

21 (c) EFFECTIVE DATE.—The amendments made by  
 22 this section shall apply to health care coverage beginning  
 23 on or after January 1, 2021.

1 **SEC. 703. LEAD LEVEL SCREENING AND TESTING FOR CHIL-**  
2 **DREN.**

3 (a) **COMPREHENSIVE SCREENING, TESTING, AND RE-**  
4 **PORTING GUIDELINES.—**

5 (1) **IN GENERAL.—**The Secretary of Defense  
6 shall establish clinical practice guidelines for health  
7 care providers employed by the Department of De-  
8 fense on screening, testing and reporting of blood  
9 lead levels in children.

10 (2) **USE OF CDC RECOMMENDATIONS.—**Guide-  
11 lines established under paragraph (1) shall reflect  
12 recommendations made by the Centers for Disease  
13 Control and Prevention with respect to the screen-  
14 ing, testing, and reporting of blood lead levels in  
15 children.

16 (3) **DISSEMINATION OF GUIDELINES.—**Not  
17 later than one year after the date of the enactment  
18 of this Act, the Secretary shall disseminate the clin-  
19 ical practice guidelines established under paragraph  
20 (1) to health care providers of the Department of  
21 Defense.

22 (b) **CARE PROVIDED IN ACCORDANCE WITH CDC**  
23 **GUIDANCE.—**The Secretary shall ensure that any care  
24 provided by the Department of Defense to a child for lead  
25 poisoning shall be carried out in accordance with applica-

1 ble guidance issued by the Centers for Disease Control and  
2 Prevention.

3 (c) SHARING OF RESULTS OF TESTING.—

4 (1) IN GENERAL.—With respect to a child who  
5 receives from the Department of Defense a test for  
6 lead poisoning—

7 (A) the Secretary shall provide the results  
8 of the test to the parent or guardian of the  
9 child; and

10 (B) notwithstanding any requirements for  
11 the confidentiality of health information under  
12 the Health Insurance Portability and Account-  
13 ability Act of 1996 (Public Law 104–191), the  
14 Secretary shall provide the results of the test  
15 and the address at which the child resides to—

16 (i) the relevant health department of  
17 the State in which the child resides if the  
18 child resides in the United States; or

19 (ii) if the child resides outside the  
20 United States—

21 (I) the Centers for Disease Con-  
22 trol and Prevention; and

23 (II) the appropriate authority of  
24 the country in which the child resides.

1           (2) STATE DEFINED.—In this subsection, the  
2 term “State” means each of the several States, the  
3 District of Columbia, the Commonwealth of Puerto  
4 Rico, and any territory or possession of the United  
5 States.

6           (d) REPORT.—

7           (1) IN GENERAL.—Not later than January 1,  
8 2021, the Secretary of Defense shall submit to the  
9 congressional defense committees a report detailing,  
10 with respect to the period beginning on the date of  
11 the enactment of this Act and ending on the date of  
12 the report, the following:

13           (A) The number of children who were test-  
14 ed by the Department of Defense for the level  
15 of lead in the blood of the child, and of such  
16 number, the number who were found to have  
17 elevated blood lead levels.

18           (B) The number of children who were  
19 screened by the Department of Defense for an  
20 elevated risk of lead exposure.

21           (C) The treatment provided to children  
22 pursuant to chapter 55 of title 10, United  
23 States Code, for lead poisoning.

24           (2) ELEVATED BLOOD LEAD LEVEL DE-  
25 FINED.—In this paragraph, the term “elevated blood

1 lead level” has the meaning given that term by the  
2 Centers for Disease Control and Prevention.

3 **SEC. 704. PROVISION OF BLOOD TESTING FOR FIRE-**  
4 **FIGHTERS OF DEPARTMENT OF DEFENSE TO**  
5 **DETERMINE EXPOSURE TO**  
6 **PERFLUOROALKYL AND POLYFLUOROALKYL**  
7 **SUBSTANCES.**

8 (a) IN GENERAL.—Beginning on October 1, 2020,  
9 the Secretary of Defense shall provide blood testing to de-  
10 termine and document potential exposure to perfluoroalkyl  
11 and polyfluoroalkyl substances (commonly known as  
12 “PFAS”) for each firefighter of the Department of De-  
13 fense during the annual physical exam conducted by the  
14 Department for each such firefighter.

15 (b) FIREFIGHTER DEFINED.—In this section, the  
16 term “firefighter” means someone whose primary job or  
17 military occupational specialty is being a firefighter.

18 **Subtitle B—Health Care**

19 **Administration**

20 **SEC. 711. MODIFICATION OF ORGANIZATION OF MILITARY**  
21 **HEALTH SYSTEM.**

22 (a) ADMINISTRATION OF MILITARY MEDICAL TREAT-  
23 MENT FACILITIES.—Subsection (a) of section 1073c of  
24 title 10, United States Code, is amended—

25 (1) in paragraph (1)—

1 (A) by redesignating subparagraphs (A),  
2 (B), (C), (D), (E), and (F) as subparagraphs  
3 (C), (D), (E), (G), (H), and (I), respectively;

4 (B) by inserting before subparagraph (C),  
5 as redesignated by subparagraph (A) of this  
6 paragraph, the following new subparagraphs:

7 “(A) provision and delivery of health care  
8 within each such facility;

9 “(B) management of privileging, scope of  
10 practice, and quality of health care provided  
11 within each such facility;” and

12 (C) inserting the following new subpara-  
13 graph:

14 “(F) supply and equipment;”;

15 (2) in paragraph (2)—

16 (A) by redesignating subparagraphs (D)  
17 through (G) as subparagraphs (E) through (H),  
18 respectively;

19 (B) by inserting after subparagraph (C)  
20 the following new subparagraph (D):

21 “(D) to identify the capacity of each mili-  
22 tary medical treatment facility to support clin-  
23 ical readiness standards of health care providers  
24 established by the Secretary of a military de-

1           partment or the Assistant Secretary of Defense  
2           for Health Affairs;” and

3           (C) by amending subparagraph (F), as re-  
4           designated by subparagraph (A) of this para-  
5           graph, to read as follows:

6           “(F) to determine, in coordination with  
7           each Secretary of a military department, man-  
8           ning, including joint manning, assigned to mili-  
9           tary medical treatment facilities and inter-  
10          mediary organizations;” and

11          (3) in paragraph (3)—

12           (A) in subparagraph (A)—

13           (i) by inserting “on behalf of the mili-  
14           tary departments,” before “ensuring”; and

15           (ii) by striking “and civilian employ-  
16           ees”; and

17           (B) in subparagraph (B), by inserting “on  
18           behalf of the Defense Health Agency,” before  
19           “furnishing”.

20          (b) DHA ASSISTANT DIRECTOR.—Subsection (b)(2)  
21          of such section is amended by striking “equivalent edu-  
22          cation and experience” and all that follows and inserting  
23          “the education and experience to perform the responsibil-  
24          ities of the position.”.

1 (c) DHA DEPUTY ASSISTANT DIRECTORS.—Sub-  
2 section (c) of such section is amended—

3 (1) in paragraph (2)(B), by striking “across the  
4 military health system” and inserting “at military  
5 medical treatment facilities”; and

6 (2) in paragraph (4)(B), by inserting “at mili-  
7 tary medical treatment facilities” before the period  
8 at the end.

9 (d) MILITARY MEDICAL TREATMENT FACILITY.—  
10 Subsection (f) of such section is amended by adding at  
11 the end the following new paragraph:

12 “(3) The term ‘military medical treatment facil-  
13 ity’ means—

14 “(A) any fixed facility of the Department  
15 of Defense that is outside of a deployed envi-  
16 ronment and used primarily for health care;  
17 and

18 “(B) any other location used for purposes  
19 of providing health care services as designated  
20 by the Secretary of Defense.”.

21 (e) TECHNICAL AMENDMENTS.—Subsection (a) of  
22 such section is amended—

23 (1) in paragraph (1), by striking “paragraph  
24 (4)” and inserting “paragraph (5)”;

1           (2) by redesignating paragraph (5) as para-  
2           graph (6);

3           (3) by redesignating the first paragraph (4) as  
4           paragraph (5); and

5           (4) by moving the second paragraph (4) so as  
6           to appear before paragraph (5), as redesignated by  
7           paragraph (3) of this subsection.

8 **SEC. 712. SUPPORT BY MILITARY HEALTH SYSTEM OF MED-**  
9                           **ICAL REQUIREMENTS OF COMBATANT COM-**  
10                          **MANDS.**

11           (a) IN GENERAL.—Section 712 of the John S.  
12 McCain National Defense Authorization Act for Fiscal  
13 Year 2019 (Public Law 115–232) is amended—

14           (1) in subsection (a), by amending paragraph  
15           (1) to read as follows:

16           “(1) IN GENERAL.—The Secretary of Defense  
17           shall, acting through the Secretaries of the military  
18           departments, the Defense Health Agency, and the  
19           Joint Staff, implement an organizational framework  
20           of the military health system that effectively imple-  
21           ments chapter 55 of title 10, United States Code, to  
22           maximize the readiness of the medical force, promote  
23           interoperability, and integrate medical capabilities of  
24           the Armed Forces in order to enhance joint military

1 medical operations in support of requirements of the  
2 combatant commands.”;

3 (2) in subsection (e), by redesignating para-  
4 graphs (2) and (3) as paragraphs (3) and (4), re-  
5 spectively, and by moving such paragraphs so as to  
6 appear at the end of subsection (d);

7 (3) by striking subsection (e), as amended by  
8 paragraph (2) of this subsection;

9 (4) by redesignating subsections (b) through (d)  
10 as subsections (c) through (e), respectively;

11 (5) by inserting after subsection (a) the fol-  
12 lowing new subsection (b):

13 “(b) ADDITIONAL DUTIES OF SURGEONS GENERAL  
14 OF THE ARMED FORCES.—The Surgeons General of the  
15 Armed Forces shall have the following duties:

16 “(1) To ensure the readiness for operational de-  
17 ployment of medical and dental personnel and  
18 deployable medical or dental teams or units of the  
19 Armed Force or Armed Forces concerned.

20 “(2) To meet medical readiness standards, sub-  
21 ject to standards and metrics established by the As-  
22 sistant Secretary of Defense for Health Affairs.

23 “(3) With respect to uniformed medical and  
24 dental personnel of the military department con-  
25 cerned—

1           “(A) to assign such personnel to military  
2           medical treatment facilities, under the oper-  
3           ational control of the commander or director of  
4           the facility, or to partnerships with civilian or  
5           other medical facilities for training activities  
6           specific to such military department; and

7           “(B) to maintain readiness of such per-  
8           sonnel for operational deployment.

9           “(4) To provide logistical support for oper-  
10          ational deployment of medical and dental personnel  
11          and deployable medical or dental teams or units of  
12          the Armed Force or Armed Forces concerned.

13          “(5) To oversee mobilization and demobilization  
14          in connection with the operational deployment of  
15          medical and dental personnel of the Armed Force or  
16          Armed Forces concerned.

17          “(6) To develop operational medical capabilities  
18          required to support the warfighter, and to develop  
19          policy relating to such capabilities.

20          “(7) To provide health professionals to serve in  
21          leadership positions across the military healthcare  
22          system.

23          “(8) To deliver operational clinical services  
24          under the operational control of the combatant com-  
25          mands—

1           “(A) on ships and planes; and

2           “(B) on installations outside of military  
3           medical treatment facilities.

4           “(9) To manage privileging, scope of practice,  
5           and quality of health care in the settings described  
6           in paragraph (8).”;

7           (6) in subsection (c), as redesignated by para-  
8           graph (4) of this subsection—

9           (A) in the subsection heading, by inserting  
10          “AGENCY” before “REGIONS”; and

11          (B) in paragraph (1)—

12           (i) in the paragraph heading, by in-  
13           serting “AGENCY” before “REGIONS”; and

14           (ii) by striking “defense health” and  
15           inserting “Defense Health Agency”;

16          (7) in subsection (d), as redesignated by para-  
17          graph (4) of this subsection—

18           (A) in the subsection heading, by inserting  
19           “AGENCY” before “REGIONS”;

20           (B) in the matter preceding paragraph (1),  
21           by striking “defense health” and inserting “De-  
22           fense Health Agency”; and

23           (C) in paragraph (3), by striking “sub-  
24           section (b)” and inserting “subsection (c)”; and

1           (8) in subsection (e), as redesignated by para-  
2 graph (4) of this subsection—

3           (A) in paragraph (2)—

4           (i) by amending subparagraph (A) to  
5 read as follows:

6           “(A) IN GENERAL.—The Secretaries of the  
7 military departments shall coordinate with the  
8 Chairman of the Joint Chiefs of Staff and the  
9 Defense Health Agency to direct resources allo-  
10 cated to the military departments to support re-  
11 quirements related to readiness and operational  
12 medicine support that are established by the  
13 combatant commands and validated by the  
14 Joint Staff.”; and

15           (ii) in subparagraph (B), in the mat-  
16 ter preceding clause (i), by striking “Based  
17 on” and all that follows through “shall—  
18 ” and inserting “The Director of the De-  
19 fense Health Agency, in coordination with  
20 the Assistant Secretary of Defense for  
21 Health Affairs, shall—”;

22           (B) in paragraph (3), as moved and redesi-  
23 gnated by paragraph (2) of this subsection, in  
24 the second sentence—

1 (i) by inserting “primarily” before  
2 “through”; and

3 (ii) by inserting“, in coordination with  
4 the Secretaries of the military depart-  
5 ments,” after “the Defense Health Agen-  
6 cy”; and

7 (C) by adding at the end the following:

8 “(5) MANPOWER.—

9 “(A) ADMINISTRATIVE CONTROL OF MILI-  
10 TARY PERSONNEL.—Each Secretary of a mili-  
11 tary department shall exercise administrative  
12 control of members of the Armed Forces as-  
13 signed to military medical treatment facilities,  
14 including personnel assignment and issuance of  
15 military orders.

16 “(B) OVERSIGHT OF CERTAIN PERSONNEL  
17 BY THE DIRECTOR OF THE DEFENSE HEALTH  
18 AGENCY.—In situations in which members of  
19 the Armed Forces provide health care services  
20 at a military medical treatment facility, the Di-  
21 rector of the Defense Health Agency shall  
22 maintain oversight for the provision of care de-  
23 livered by those individuals through policies,  
24 procedures, and privileging responsibilities of  
25 the military medical treatment facility.”.

1 (b) CONFORMING AMENDMENTS.—

2 (1) HEADING AMENDMENT.—The heading for  
3 section 712 of the John S. McCain National Defense  
4 Authorization Act for Fiscal Year 2019 (Public Law  
5 115–232) is amended to read as follows:

6 **“SEC. 712. SUPPORT BY MILITARY HEALTHCARE SYSTEM**  
7 **OF MEDICAL REQUIREMENTS OF COMBAT-**  
8 **ANT COMMANDS.”.**

9 (2) CLERICAL AMENDMENT.—The table of con-  
10 tents for such Act is amended by striking the item  
11 relating to section 712 and inserting the following  
12 new item:

“Sec. 712. Support by military healthcare system of medical requirements of  
combatant commands.”.

13 **SEC. 713. TOURS OF DUTY OF COMMANDERS OR DIREC-**  
14 **TORS OF MILITARY TREATMENT FACILITIES.**

15 (a) IN GENERAL.—Not later than January 1, 2021,  
16 the Secretary of Defense shall establish a minimum length  
17 for the tour of duty of an individual as a commander or  
18 director of a military treatment facility.

19 (b) TOURS OF DUTY.—

20 (1) IN GENERAL.—Except as provided in para-  
21 graph (2), the length of the tour of duty as a com-  
22 mander or director of a military treatment facility of  
23 any individual assigned to such position after Janu-

1 ary 1, 2021, may not be shorter than the longer  
2 of—

3 (A) the length established pursuant to sub-  
4 section (a); or

5 (B) four years.

6 (2) WAIVER.—

7 (A) IN GENERAL.—The Secretary of the  
8 military department concerned, in coordination  
9 with the Director of the Defense Health Agen-  
10 cy, may authorize a tour of duty of an indi-  
11 vidual as a commander or director of a military  
12 treatment facility of a shorter length than is  
13 otherwise provided for in paragraph (1) if the  
14 Secretary determines, in the discretion of the  
15 Secretary, that there is good cause for a tour  
16 of duty in such position of shorter length.

17 (B) CASE-BY-CASE BASIS.—Any deter-  
18 mination under subparagraph (A) shall be made  
19 on a case-by-case basis.

20 **SEC. 714. EXPANSION OF STRATEGY TO IMPROVE ACQUISI-**  
21 **TION OF MANAGED CARE SUPPORT CON-**  
22 **TRACTS UNDER TRICARE PROGRAM.**

23 Section 705(c)(1) of the National Defense Authoriza-  
24 tion Act for Fiscal Year 2017 (Public Law 114–328; 10  
25 U.S.C. 1073a note) is amended, in the matter preceding

1 subparagraph (A), by striking “, other than overseas med-  
2 ical support contracts”.

3 **SEC. 715. ESTABLISHMENT OF REGIONAL MEDICAL HUBS**  
4 **TO SUPPORT COMBATANT COMMANDS.**

5 (a) IN GENERAL.—The Secretary of Defense shall es-  
6 tablish not more than four regional medical hubs, con-  
7 sistent with the defense health regions established under  
8 section 712 of the John S. McCain National Defense Au-  
9 thorization Act for Fiscal Year 2019 (Public Law 115–  
10 232), to support operational medical requirements of the  
11 combatant commands.

12 (b) TIMING.—Establishment of regional medical hubs  
13 under subsection (a) shall commence not later than Octo-  
14 ber 1, 2020, and shall be completed not later than October  
15 1, 2022.

16 (c) LEADERSHIP.—Each regional medical hub estab-  
17 lished under subsection (a) shall be led by a commander  
18 or director who is a member of the Armed Forces serving  
19 in a grade not higher than major general or rear admiral  
20 and who shall be—

21 (1) selected by the Director of the Defense  
22 Health Agency from among members of the Armed  
23 Forces recommended by the military departments  
24 for service in such position; and

1           (2) under the authority, direction, and control  
2 of the Director while serving in such position.

3 (d) DESIGNATION OF PRIMARY CENTER.—

4           (1) IN GENERAL.—Each regional medical hub  
5 established under subsection (a) shall include a  
6 major military medical center designated by the Sec-  
7 retary to serve as the primary center for the provi-  
8 sion of specialized medical services in that region.

9           (2) CAPABILITIES.—A major military medical  
10 center may not be designated under paragraph (1)  
11 unless the center—

12                   (A) includes one or more large graduate  
13 medical education training platforms; and

14                   (B) provides, at a minimum, role 4 medical  
15 care.

16 (3) LOCATION.—

17           (A) IN GENERAL.—Any major military  
18 medical center designated under paragraph (1)  
19 shall be geographically located so as to maxi-  
20 mize the support provided by uniformed medical  
21 resources to the combatant commands.

22           (B) COLLOCATION WITH MAJOR AERIAL  
23 DEBARKATION POINTS.—In designating major  
24 military medical centers under paragraph (1),  
25 the Secretary shall give consideration to the col-

1 location of such centers with major aerial de-  
2 barkation points of patients in the medical  
3 evacuation system of the United States Trans-  
4 portation Command.

5 (4) MAJOR HEALTH CARE DELIVERY PLAT-  
6 FORM.—A major military medical center designated  
7 under paragraph (1) shall serve as the major health  
8 care delivery platform for the provision of complex  
9 specialized medical care in the region, whether  
10 through patient referrals from other military medical  
11 treatment facilities or through referrals from either  
12 civilian medical facilities or healthcare facilities of  
13 the Department of Veterans Affairs.

14 (e) ADDITIONAL MILITARY MEDICAL CENTERS.—  
15 Consistent with section 1073d of title 10, United States  
16 Code, the Secretary, in establishing regional medical hubs  
17 under subsection (a), may establish additional military  
18 medical centers in the following locations:

19 (1) Locations with large beneficiary popu-  
20 lations.

21 (2) Locations that serve as the primary readi-  
22 ness platforms of the Armed Forces.

23 (f) PATIENT REFERRALS AND COORDINATION.—In  
24 implementing the regional medical hubs established under  
25 subsection (a), the Director of the Defense Health Agency

1 shall ensure effective and efficient medical care referrals  
2 and coordination among military medical treatment facili-  
3 ties and among local or regional high-performing health  
4 systems through local or regional partnerships with insti-  
5 tutional or individual civilian providers.

6 **SEC. 716. MONITORING OF ADVERSE EVENT DATA ON DIE-**  
7 **TARY SUPPLEMENT USE BY MEMBERS OF**  
8 **THE ARMED FORCES.**

9 (a) IN GENERAL.—The Secretary of Defense shall  
10 modify the electronic health record system of the military  
11 health system to include data regarding the use by mem-  
12 bers of the Armed Forces of dietary supplements and ad-  
13 verse events with respect to dietary supplements.

14 (b) REQUIREMENTS.—The modifications required by  
15 subsection (a) shall ensure that the electronic health  
16 record system of the military health system—

17 (1) records adverse event report data regarding  
18 dietary supplement use by members of the Armed  
19 Forces;

20 (2) generates standard reports on adverse event  
21 data that can be aggregated for analysis;

22 (3) issues automated alerts to signal a signifi-  
23 cant change in adverse event reporting or to signal  
24 a risk of interaction with a medication or other  
25 treatment; and

1           (4) provides for reporting of adverse event re-  
2           port data regarding dietary supplement use by mem-  
3           bers of the Armed Forces to the Food and Drug Ad-  
4           ministration.

5           (c) OUTREACH.—The Secretary shall conduct out-  
6           reach to health care providers in the military health sys-  
7           tem to educate such providers on the importance of enter-  
8           ing adverse event report data regarding dietary supple-  
9           ment use by members of the Armed Forces into the elec-  
10          tronic health record system of the military health system  
11          and reporting such data to the Food and Drug Adminis-  
12          tration.

13          (d) DEFINITIONS.—In this section:

14           (1) ADVERSE EVENT.—The term “adverse  
15           event” has the meaning given that term in section  
16           761(a) of the Federal Food, Drug, and Cosmetic Act  
17           (21 U.S.C. 379aa–1(a)).

18           (2) DIETARY SUPPLEMENT.—The term “dietary  
19           supplement” has the meaning given that term in  
20           section 201(ff) of the Federal Food, Drug, and Cos-  
21           metic Act (21 U.S.C. 321(ff)).

1 **SEC. 717. ENHANCEMENT OF RECORDKEEPING WITH RE-**  
2 **SPECT TO EXPOSURE BY MEMBERS OF THE**  
3 **ARMED FORCES TO CERTAIN OCCUPATIONAL**  
4 **AND ENVIRONMENTAL HAZARDS WHILE DE-**  
5 **PLOYED OVERSEAS.**

6 (a) INCLUSION IN MEDICAL TRACKING SYSTEM OF  
7 OCCUPATIONAL AND ENVIRONMENTAL HEALTH RISKS IN  
8 DEPLOYMENT AREA.—

9 (1) ELEMENTS OF MEDICAL TRACKING SYS-  
10 TEM.—Subsection (b)(1)(A) of section 1074f of title  
11 10, United States Code, is amended—

12 (A) in clause (ii), by striking “and” at the  
13 end;

14 (B) in clause (iii), by striking the period at  
15 the end and inserting “; and”; and

16 (C) by adding at the end the following new  
17 clause:

18 “(iv) accurately record any exposure to oc-  
19 cupational and environmental health risks dur-  
20 ing the course of their deployment.”.

21 (2) RECORDKEEPING.—Subsection (c) of such  
22 section is amended by inserting after “deployment  
23 area” the following: “(including the results of any  
24 assessment performed by the Secretary of occupa-  
25 tional and environmental health risks for such  
26 area)”.

1           (b) POSTDEPLOYMENT MEDICAL EXAMINATION AND  
2 REASSESSMENTS.—Section 1074f of title 10, United  
3 States Code, as amended by subsection (a), is further  
4 amended by adding at the end the following new sub-  
5 section:

6           “(g)        ADDITIONAL        REQUIREMENTS        FOR  
7 POSTDEPLOYMENT    MEDICAL    EXAMINATIONS    AND  
8 HEALTH REASSESSMENTS.—(1) The Secretary of Defense  
9 shall standardize and make available to a provider that  
10 conducts a postdeployment medical examination or reas-  
11 sessment under the system described in subsection (a)  
12 questions relating to occupational and environmental  
13 health exposure.

14           “(2) The Secretary, to the extent practicable, shall  
15 ensure that the medical record of a member includes infor-  
16 mation on the external cause relating to a diagnosis of  
17 the member, including by associating an external cause  
18 code (as issued under the International Statistical Classi-  
19 fication of Diseases and Related Health Problems, 10th  
20 Revision (or any successor revision)).”.

21           (c) ACCESS TO INFORMATION IN BURN PIT REG-  
22 ISTRY.—

23           (1) IN GENERAL.—The Secretary of Defense  
24 shall ensure that all medical personnel of the De-

1 department of Defense have access to the information  
 2 contained in the burn pit registry.

3 (2) BURN PIT REGISTRY DEFINED.—In this  
 4 subsection, the term “burn pit registry” means the  
 5 registry established under section 201 of the Digi-  
 6 nified Burial and Other Veterans’ Benefits Improve-  
 7 ment Act of 2012 (Public Law 112–260; 38 U.S.C.  
 8 527 note).

## 9 **Subtitle C—Reports and Other** 10 **Matters**

### 11 **SEC. 721. EXTENSION AND CLARIFICATION OF AUTHORITY** 12 **FOR JOINT DEPARTMENT OF DEFENSE-DE-** 13 **PARTMENT OF VETERANS AFFAIRS MEDICAL** 14 **FACILITY DEMONSTRATION FUND.**

15 Title XVII of the National Defense Authorization Act  
 16 for Fiscal Year 2010 (Public Law 111–84; 123 Stat.  
 17 2567) is amended—

18 (1) in section 1701(a)—

19 (A) by striking “Subject to subsection (b),  
 20 the” and inserting “The”;

21 (B) by striking subsection (b); and

22 (C) by redesignating subsections (c)  
 23 through (f) as subsections (b) through (e), re-  
 24 spectively;

1           (2) in section 1702(a)(1), by striking “hereafter  
2           in this title” and inserting “in this section”;

3           (3) in section 1703, in subsections (a) and (c),  
4           by striking “the facility” and inserting “the James  
5           A. Lovell Federal Health Care Center”;

6           (4) in section 1704—

7                 (A) in subsections (a)(3), (a)(4)(A), and  
8                 (b)(1), by striking “the facility” and inserting  
9                 “the James A. Lovell Federal Health Care Cen-  
10                ter”; and

11                (B) in subsection (e), as most recently  
12                amended by section 731 of the John S. McCain  
13                National Defense Authorization Act for Fiscal  
14                Year 2019 (Public Law 115–232), by striking  
15                “September 30, 2020” and inserting “Sep-  
16                tember 30, 2021”;

17           (5) in section 1705—

18                 (A) in subsection (a), by striking “the fa-  
19                 cility” and inserting “the James A. Lovell Fed-  
20                 eral Health Care Center (in this section re-  
21                 ferred to as the ‘JALFHCC’)”;

22                 (B) in subsection (b), in the matter pre-  
23                 ceding paragraph (1), by striking “the facility”  
24                 and inserting “the JALFHCC”; and

25                 (C) in subsection (c)—

1 (i) by striking “the facility” each  
2 place it appears and inserting “the  
3 JALFHCC”; and

4 (ii) by adding at the end the following  
5 new paragraph:

6 “(4) To permit the JALFHCC to enter into  
7 personal services contracts to carry out health care  
8 responsibilities in the JALFHCC to the same extent  
9 and subject to the same conditions and limitations  
10 as apply under section 1091 of title 10, United  
11 States Code, to the Secretary of Defense with re-  
12 spect to health care responsibilities in medical treat-  
13 ment facilities of the Department of Defense.”.

14 **SEC. 722. APPOINTMENT OF NON-EX OFFICIO MEMBERS OF**  
15 **THE HENRY M. JACKSON FOUNDATION FOR**  
16 **THE ADVANCEMENT OF MILITARY MEDICINE.**

17 (a) APPOINTMENT BY NON-EX OFFICIO MEMBERS.—  
18 Subparagraph (C) of paragraph (1) of section 178(e) of  
19 title 10, United States Code, is amended to read as fol-  
20 lows:

21 “(C) six members, each of whom shall be ap-  
22 pointed at the expiration of the term of a member  
23 appointed under this subparagraph, as provided for  
24 in paragraph (2), by the members currently serving  
25 on the Council pursuant to this subparagraph and

1 paragraph (2), including the member whose expiring  
2 term is so being filled by such appointment.”.

3 (b) REPEAL OF OBSOLETE AUTHORITY ESTAB-  
4 LISHING STAGGERED TERMS.—Paragraph (2) of such sec-  
5 tion is amended—

6 (1) by striking “except that—” and all that fol-  
7 lows through “any person” and inserting “except  
8 that any person”;

9 (2) by striking “; and” and inserting a period;  
10 and

11 (3) by striking subparagraph (B).

12 (c) EFFECTIVE DATE.—

13 (1) IN GENERAL.—The amendments made by  
14 this section shall take effect on the date of the en-  
15 actment of this Act.

16 (2) CONSTRUCTION FOR CURRENT MEMBERS.—  
17 Nothing in the amendments made by this section  
18 shall be construed to terminate or otherwise alter  
19 the appointment or term of service of members of  
20 the Henry M. Jackson Foundation for the Advance-  
21 ment of Military Medicine who are so serving on the  
22 date of the enactment of this Act pursuant to an ap-  
23 pointment under paragraph (1)(C) or (2) of section  
24 178(c) of title 10, United States Code, made before  
25 that date.

1 **SEC. 723. OFFICERS AUTHORIZED TO COMMAND ARMY**  
2 **DENTAL UNITS.**

3 Section 7081(d) of title 10, United States Code, is  
4 amended by striking “Dental Corps Officer” and inserting  
5 “Army Medical Department Officer”.

6 **SEC. 724. ESTABLISHMENT OF ACADEMIC HEALTH SYSTEM**  
7 **IN NATIONAL CAPITAL REGION.**

8 (a) IN GENERAL.—Chapter 104 of title 10, United  
9 States Code, is amended by inserting after section 2113a  
10 the following new section:

11 **“§ 2113b. Academic Health System**

12 “(a) IN GENERAL.—The Secretary of Defense may  
13 establish an Academic Health System to integrate the  
14 health care, health professions education, and health re-  
15 search activities of the military health system, including  
16 under this chapter, in the National Capital Region.

17 “(b) LEADERSHIP.—(1) The Secretary may appoint  
18 employees of the Department of Defense to leadership po-  
19 sitions in the Academic Health System established under  
20 subsection (a).

21 “(2) Such positions may include responsibilities for  
22 management of the health care, health professions edu-  
23 cation, and health research activities described in sub-  
24 section (a) and are in addition to similar leadership posi-  
25 tions for members of the armed forces.

1       “(c) ADMINISTRATION.—The Secretary may use such  
 2 authorities under this chapter relating to the health care,  
 3 health professions education, and health research activities  
 4 of the military health system as the Secretary considers  
 5 appropriate for the administration of the Academic Health  
 6 System established under subsection (a).

7       “(d) NATIONAL CAPITAL REGION DEFINED.—In this  
 8 section, the term ‘National Capital Region’ means the  
 9 area, or portion thereof, as determined by the Secretary,  
 10 in the vicinity of the District of Columbia.”.

11       (b) CLERICAL AMENDMENT.—The table of sections  
 12 at the beginning of chapter 104 of such title is amended  
 13 by inserting after the item relating to section 2113a the  
 14 following new item:

“2113b. Academic Health System.”.

15 **SEC. 725. PROVISION OF VETERINARY SERVICES BY VET-**  
 16 **ERINARY PROFESSIONALS OF THE DEPART-**  
 17 **MENT OF DEFENSE IN EMERGENCIES.**

18       (a) IN GENERAL.—Chapter 53 of title 10, United  
 19 States Code, is amended by adding at the end the fol-  
 20 lowing new section:

21 **“§ 1060c. Provision of veterinary services in emer-**  
 22 **gencies**

23       “(a) IN GENERAL.—A veterinary professional de-  
 24 scribed in subsection (b) may provide veterinary services  
 25 for the purposes described in subsection (c) in any State,

1 the District of Columbia, or a territory or possession of  
2 the United States, without regard to where such veteri-  
3 nary professional or the patient animal are located, if the  
4 provision of such services is within the scope of the author-  
5 ized duties of such veterinary professional for the Depart-  
6 ment of Defense.

7 “(b) VETERINARY PROFESSIONAL DESCRIBED.—A  
8 veterinary professional described in this subsection is an  
9 individual who is—

10 “(1)(A) a member of the armed forces, a civil-  
11 ian employee of the Department of Defense, or oth-  
12 erwise credentialed and privileged at a Federal vet-  
13 erinary institution or location designated by the Sec-  
14 retary of Defense for purposes of this section; or

15 “(B) a member of the National Guard per-  
16 forming training or duty under section 502(f) of title  
17 32;

18 “(2) certified as a veterinary professional by a  
19 certification recognized by the Secretary of Defense;  
20 and

21 “(3) currently licensed by a State, the District  
22 of Columbia, or a territory or possession of the  
23 United States to provide veterinary services.

1       “(c) PURPOSES DESCRIBED.—The purposes de-  
2 scribed in this subsection are veterinary services in re-  
3 sponse to any of the following:

4           “(1) A national emergency declared by the  
5 President pursuant to the National Emergencies Act  
6 (50 U.S.C. 1601 et seq.).

7           “(2) A major disaster or an emergency (as  
8 those terms are defined in section 102 of the Robert  
9 T. Stafford Disaster Relief and Emergency Assist-  
10 ance Act (42 U.S.C. 5122)).

11          “(3) A public health emergency declared by the  
12 Secretary of Health and Human Services under sec-  
13 tion 319 of the Public Health Service Act (42  
14 U.S.C. 247d).

15          “(4) An extraordinary emergency, as deter-  
16 mined by the Secretary of Agriculture under section  
17 10407(b) of the Animal Health Protection Act (7  
18 U.S.C. 8306(b)).”.

19       (b) CLERICAL AMENDMENT.—The table of sections  
20 at the beginning of chapter 53 of such title is amended  
21 by inserting after the item relating to section 1060b the  
22 following new item:

“1060e. Provision of veterinary services in emergencies.”.

1 **SEC. 726. FIVE-YEAR EXTENSION OF AUTHORITY TO CON-**  
2 **TINUE THE DOD-VA HEALTH CARE SHARING**  
3 **INCENTIVE FUND.**

4 Section 8111(d)(3) of title 38, United States Code,  
5 is amended by striking “September 30, 2020” and insert-  
6 ing, “September 30, 2025”.

7 **SEC. 727. PILOT PROGRAM ON CIVILIAN AND MILITARY**  
8 **PARTNERSHIPS TO ENHANCE INTEROPER-**  
9 **ABILITY AND MEDICAL SURGE CAPABILITY**  
10 **AND CAPACITY OF NATIONAL DISASTER MED-**  
11 **ICAL SYSTEM.**

12 (a) IN GENERAL.—The Secretary of Defense may  
13 carry out a pilot program to establish partnerships with  
14 public, private, and nonprofit health care organizations,  
15 institutions, and entities in collaboration with the Sec-  
16 retary of Veterans Affairs, the Secretary of Health and  
17 Human Services, the Secretary of Homeland Security, and  
18 the Secretary of Transportation to enhance the interoper-  
19 ability and medical surge capability and capacity of the  
20 National Disaster Medical System under section 2812 of  
21 the Public Health Service Act (42 U.S.C. 300hh–11) in  
22 the vicinity of major aeromedical transport hubs of the  
23 Department of Defense.

24 (b) DURATION.—The Secretary of Defense may carry  
25 out the pilot program under subsection (a) for a period  
26 of not more than five years.

1           (c) LOCATIONS.—The Secretary shall carry out the  
2 pilot program under subsection (a) at not fewer than five  
3 aeromedical transport hub regions in the United States.

4           (d) REQUIREMENTS.—In establishing partnerships  
5 under the pilot program under subsection (a), the Sec-  
6 retary, in collaboration with the Secretary of Veterans Af-  
7 fairs, the Secretary of Health and Human Services, the  
8 Secretary of Homeland Security, and the Secretary of  
9 Transportation, shall establish requirements under such  
10 partnerships for staffing, specialized training, medical lo-  
11 gistics, telemedicine, patient regulating, movement, situa-  
12 tional status reporting, tracking, and surveillance.

13           (e) EVALUATION METRICS.—The Secretary of De-  
14 fense shall establish metrics to evaluate the effectiveness  
15 of the pilot program under subsection (a).

16           (f) REPORTS.—

17               (1) INITIAL REPORT.—

18                   (A) IN GENERAL.—Not later than 180  
19 days after the commencement of the pilot pro-  
20 gram under subsection (a), the Secretary shall  
21 submit to the Committees on Armed Services of  
22 the Senate and the House of Representatives a  
23 report on the pilot program.

24                   (B) ELEMENTS.—The report required by  
25 subparagraph (A) shall include the following:

1 (i) A description of the pilot program.

2 (ii) The requirements established  
3 under subsection (d).

4 (iii) The evaluation metrics estab-  
5 lished under subsection (e).

6 (iv) Such other matters relating to the  
7 pilot program as the Secretary considers  
8 appropriate.

9 (2) FINAL REPORT.—

10 (A) IN GENERAL.—Not later than 180  
11 days after completion of the pilot program  
12 under subsection (a), the Secretary shall submit  
13 to the Committees on Armed Services of the  
14 Senate and the House of Representatives a re-  
15 port on the pilot program.

16 (B) ELEMENTS.—The report required by  
17 subparagraph (A) shall include the following:

18 (i) A description of the pilot program,  
19 including the partnerships established  
20 under the pilot program as described in  
21 subsection (a).

22 (ii) An assessment of the effectiveness  
23 of the pilot program.

24 (iii) Such recommendations for legis-  
25 lative or administrative action as the Sec-

1           retary considers appropriate in light of the  
2           pilot program, including recommendations  
3           for extending or making permanent the au-  
4           thority for the pilot program.

5 **SEC. 728. MODIFICATION OF REQUIREMENTS FOR LONGI-**  
6 **TUDINAL MEDICAL STUDY ON BLAST PRES-**  
7 **SURE EXPOSURE OF MEMBERS OF THE**  
8 **ARMED FORCES.**

9           Section 734 of the National Defense Authorization  
10 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
11 1444) is amended—

12           (1) in subsection (b)—

13                 (A) in paragraph (2), by striking “; and”  
14                 and inserting a semicolon;

15                 (B) in paragraph (3), by striking the pe-  
16                 riod at the end and inserting “; and”; and

17                 (C) by adding at the end the following new  
18                 paragraph:

19                 “(4) assess the feasibility and advisability of—

20                         “(A) uploading the data gathered from the  
21                         study into the Defense Occupational and Envi-  
22                         ronmental Health Readiness System – Indus-  
23                         trial Hygiene (DOEHRS-IH) or similar system;  
24                         and

1           “(B) allowing personnel of the Department  
2 of Defense and the Department of Veterans Af-  
3 fairs to have access to such system.”; and

4           (2) in subsection (c)—

5           (A) by redesignating paragraph (2) as  
6 paragraph (3); and

7           (B) by inserting after paragraph (1) the  
8 following new paragraph (2):

9           “(2) ANNUAL STATUS REPORT.—Not later than  
10 January 1 of each year during the period beginning  
11 on the date of the enactment of the National De-  
12 fense Authorization Act for Fiscal Year 2020 and  
13 ending on the completion of the study under sub-  
14 section (a), the Secretary shall submit to the Com-  
15 mittees on Armed Services of the Senate and the  
16 House of Representatives a status report on the  
17 study.”.

1 **TITLE VIII—ACQUISITION POL-**  
2 **ICY, ACQUISITION MANAGE-**  
3 **MENT, AND RELATED MAT-**  
4 **TERS**

5 **Subtitle A—Contracting and**  
6 **Acquisition Provisions**

7 **SEC. 801. PILOT PROGRAM ON INTELLECTUAL PROPERTY**  
8 **EVALUATION FOR ACQUISITION PROGRAMS.**

9 (a) PILOT PROGRAM.—Not later than 180 days after  
10 the date of the enactment of this act, the Secretary of  
11 Defense and the Secretaries of the military departments  
12 may jointly carry out a pilot program to assess mecha-  
13 nisms to evaluate intellectual property, such as technical  
14 data deliverables and associated license rights, including  
15 commercially available intellectual property valuation  
16 analysis and techniques, in acquisition programs for which  
17 they are responsible to better understand the benefits as-  
18 sociated with these techniques on—

19 (1) the development of cost-effective intellectual  
20 property strategies, and

21 (2) assessment and management of the value  
22 and costs of intellectual property during acquisition  
23 and sustainment activities (including source selection  
24 evaluation factors) throughout the acquisition

1 lifecycle for any acquisition program selected by the  
2 Secretary concerned.

3 (b) ACTIVITIES.—Activities carried out under the  
4 pilot program may include the following:

5 (1) Establishing a team of Department of De-  
6 fense and private sector subject matter experts to  
7 identify, to the maximum extent practicable at each  
8 milestone for a selected acquisition programs, intel-  
9 lectual property evaluation techniques to obtain  
10 quantitative and qualitative analysis related to the  
11 value of intellectual property during the procure-  
12 ment, production and deployment, and operations  
13 and support phases of the acquisition of the systems  
14 under the program.

15 (2) Assessment of commercial valuation tech-  
16 niques for intellectual property for use by the De-  
17 partment of Defense.

18 (3) Assessment of the feasibility of agency-level  
19 oversight to standardize intellectual property evalua-  
20 tion practices and procedures.

21 (4) Assessment of contracting mechanisms to  
22 speed delivery of intellectual property to the Armed  
23 Forces or reduce sustainment costs.

24 (5) Assessment of agency acquisition planning  
25 to ensure procurement of intellectual property

1 deliverables and intellectual property rights nec-  
2 essary for Government-planned sustainment activi-  
3 ties.

4 (6) Engagement with the commercial industry  
5 to—

6 (A) support the development of strategies  
7 and program requirements to aid in acquisition  
8 and transition planning for intellectual prop-  
9 erty;

10 (B) support the development and improve-  
11 ment of intellectual property strategies as part  
12 of life-cycle sustainment plans; and

13 (C) propose and implement alternative and  
14 innovative methods of intellectual property valu-  
15 ation, prioritization, and evaluation techniques  
16 for intellectual property.

17 (7) Recommending to the cognizant program  
18 manager for an acquisition program evaluation tech-  
19 niques and contracting mechanisms for implementa-  
20 tion into the acquisition and sustainment activities  
21 of that acquisition program.

22 (c) ACQUISITION OF COMMERCIAL AND NON-  
23 DEVELOPMENTAL ITEMS, PRODUCTS, AND SERVICES.—

24 The pilot program shall provide criteria to ensure the ap-  
25 propriate consideration of commercial items and non-de-

1 velopmental items as alternatives to items to be specifi-  
2 cally developed for the acquisition program, including eval-  
3 uation of the benefits of reduced risk regarding cost,  
4 schedule, and performance associated with commercial  
5 and non-developmental items, products, and services.

6 (d) ASSESSMENTS.—Not later than November 1,  
7 2020, and annually thereafter through 2023, the Sec-  
8 retary of Defense, in coordination with the Secretaries  
9 concerned, shall submit to the congressional defense com-  
10 mittees a joint report on the pilot program conducted  
11 under this section. The report shall, at a minimum, in-  
12 clude—

13 (1) a description of the acquisition programs se-  
14 lected by the Secretary concerned;

15 (2) a description of the specific activities in  
16 paragraph (b) that were performed under each pro-  
17 gram;

18 (3) an assessment of the effectiveness of the ac-  
19 tivities;

20 (4) an assessment of improvements to acquisi-  
21 tion or sustainment activities related to the pilot  
22 program; and

23 (5) an assessment of cost-savings from the ac-  
24 tivities related to the pilot program, including any

1 improvement to mission success during the oper-  
2 ations and support phase of the program.

3 **SEC. 802. PILOT PROGRAM TO USE ALPHA CONTRACTING**  
4 **TEAMS FOR COMPLEX REQUIREMENTS.**

5 (a) IN GENERAL.—(1) The Secretary of Defense  
6 shall select at least 2, and up to 5, initiatives to participate  
7 in a pilot to use teams that, with the advice of expert third  
8 parties, focus on the development of complex contract  
9 technical requirements for services, with each team focus-  
10 ing on developing achievable technical requirements that  
11 are appropriately valued and identifying the most effective  
12 acquisition strategy to achieve those requirements.

13 (2) The Secretary shall develop metrics for tracking  
14 progress of the program at improving quality and acquisi-  
15 tion cycle time.

16 (b) DEVELOPMENT OF CRITERIA AND INITIATIVES.—  
17 (1) Not later than February 1, 2020, the Secretary of De-  
18 fense shall establish the pilot program and notify the con-  
19 gressional defense committees of the criteria used to select  
20 initiatives and the metrics used to track progress.

21 (2) Not later than May 1, 2020, the Secretary shall  
22 notify the congressional defense committees of the initia-  
23 tives selected for the program.

24 (3) Not later than December 1, 2020, the Secretary  
25 shall brief the congressional defense committees on the

1 progress of the selected initiatives, including the progress  
2 of the initiatives at improving quality and acquisition cycle  
3 time according to the metrics developed under subsection  
4 (a)(2).

5 **SEC. 803. MODIFICATION OF WRITTEN APPROVAL RE-**  
6 **QUIREMENT FOR TASK AND DELIVERY**  
7 **ORDER SINGLE CONTRACT AWARDS.**

8 Section 2304a(d)(3) of title 10, United States Code,  
9 is amended—

10 (1) in subparagraph (B), by redesignating  
11 clauses (i) and (ii) as subclauses (I) and (II), respec-  
12 tively;

13 (2) by redesignating subparagraphs (A), (B),  
14 (C), and (D) as clauses (i), (ii), (iii), and (iv), re-  
15 spectively;

16 (3) by striking “No task or delivery order con-  
17 tract” and inserting “(A) Except as provided under  
18 subparagraph (B), no task or delivery order con-  
19 tract”; and

20 (4) by adding at the end the following new sub-  
21 paragraph:

22 “(B) A task or delivery order contract in an amount  
23 estimated to exceed \$100,000,000 (including all options)  
24 may be awarded to a single source without the written  
25 determination otherwise required under subparagraph (A)

1 if the head of the agency has made a written determina-  
2 tion pursuant to section 2304(c) of this title that other  
3 than competitive procedures may be used for the awarding  
4 of such contract.”.

5 **SEC. 804. EXTENSION OF AUTHORITY TO ACQUIRE PROD-**  
6 **UCTS AND SERVICES PRODUCED IN COUN-**  
7 **TRIES ALONG A MAJOR ROUTE OF SUPPLY**  
8 **TO AFGHANISTAN.**

9 Section 801(f) of the National Defense Authorization  
10 Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat.  
11 2399), as most recently amended by section 1214 of the  
12 National Defense Authorization Act for Fiscal Year 2018  
13 (Public Law 115–91; 131 Stat. 1649), is further amended  
14 by striking “December 31, 2019” and inserting “Decem-  
15 ber 31, 2021”.

16 **SEC. 805. MODIFICATION OF DIRECTOR OF OPERATIONAL**  
17 **TEST AND EVALUATION REPORT.**

18 Section 139(h)(5) of title 10, United States Code, is  
19 amended to read as follows:

20 “(5) The Director shall solicit comments from the  
21 Secretaries of the military departments on each report of  
22 the Director to Congress under this section and summa-  
23 rize the comments in the report. The Director shall deter-  
24 mine the amount of time available for the Secretaries to  
25 comment on the draft report on a case by case basis, and

1 consider the extent to which substantive discussions have  
2 already been held between the Director and the military  
3 department. The Director shall reserve the right to issue  
4 the report without comment from a military department  
5 if the department's comments are not received within the  
6 time provided, and shall indicate any such omission in the  
7 report.”.

8 **SEC. 806. DEPARTMENT OF DEFENSE USE OF FIXED-PRICE**  
9 **CONTRACTS.**

10 (a) DEPARTMENT OF DEFENSE REVIEW.—

11 (1) IN GENERAL.—The Under Secretary of De-  
12 fense for Acquisition and Sustainment shall review  
13 how the Department of Defense informs decisions to  
14 use fixed-price contracts to support broader acquisi-  
15 tion objectives, to ensure that such decisions are  
16 made strategically and consistently. The review  
17 should include decisions on the use of the various  
18 types of fixed price contracts, including fixed-price  
19 incentive contracts.

20 (2) BRIEFING.—Not later than February 1,  
21 2020, the Under Secretary shall brief the congres-  
22 sional defense committees on the findings of the re-  
23 view required under paragraph (1).

24 (b) COMPTROLLER GENERAL REPORT.—

1           (1) IN GENERAL.—Not later than February 1,  
2           2021, the Comptroller General of the United States  
3           shall submit to the congressional defense committees  
4           a report on the Department of Defense’s use of  
5           fixed-price contracts, including different types of  
6           fixed-price contracts.

7           (2) ELEMENTS.—The report required under  
8           paragraph (1) shall include the following elements:

9                   (A) A description of the extent to which  
10                  fixed-price contracts have been used over time  
11                  and the conditions in which they are used.

12                   (B) An assessment of the effects of the de-  
13                  cisions to use of fixed-price contract types, such  
14                  as any additional costs or savings or efficiencies  
15                  in contract administration.

16                   (C) An assessment of how decisions to use  
17                  various types of fixed-price contracts affects the  
18                  contract closeout process.

19           (c) DELAYED IMPLEMENTATION OF REGULATIONS  
20           REQUIRING THE USE OF FIXED-PRICE CONTRACTS FOR  
21           FOREIGN MILITARY SALES.—The regulations prescribed  
22           pursuant to section 830(a) of the National Defense Au-  
23           thorization Act for Fiscal Year 2017 (Public Law 114–  
24           328; 22 U.S.C. 2762 note) shall not take effect until De-  
25           cember 31, 2020. The regulations as so prescribed shall

1 take into account the findings of the review conducted  
2 under subsection (a)(1).

3 **SEC. 807. PILOT PROGRAM TO ACCELERATE CONTRACTING**  
4 **AND PRICING PROCESSES.**

5 Section 890 of the John S. McCain National Defense  
6 Authorization Act for Fiscal Year 2019 (Public Law 115–  
7 232) is amended—

8 (1) by striking subsection (b);

9 (2) by redesignating subsections (c) and (d) as  
10 subsections (b) and (c), respectively;

11 (3) in subsection (b), as redesignated by para-  
12 graph (2), by striking “and an assessment of wheth-  
13 er the program should be continued or expanded”;  
14 and

15 (4) in subsection (c), as so redesignated, by  
16 striking “January 2, 2021” and inserting “January  
17 2, 2023”.

18 **SEC. 808. PILOT PROGRAM TO STREAMLINE DECISION-MAK-**  
19 **ING PROCESSES FOR WEAPON SYSTEMS.**

20 (a) **CANDIDATE ACQUISITION PROGRAMS.—**

21 (1) **IN GENERAL.—**Not later than February 1,  
22 2020, each Service Acquisition Executive shall rec-  
23 ommend to the Secretary of Defense at least one  
24 major defense acquisition program for a pilot pro-  
25 gram to include tailored measures to streamline the

1 entire milestone decision process, with the results  
2 evaluated and reported for potential wider use.

3 (2) ELEMENTS.—Each pilot program selected  
4 pursuant to paragraph (1) shall include the fol-  
5 lowing elements:

6 (A) Delineating the appropriate informa-  
7 tion needed to support milestone decisions, as-  
8 suring program accountability and oversight,  
9 which should be based on the business case  
10 principles needed for well-informed milestone  
11 decisions, including user-defined requirements,  
12 reasonable acquisition and life-cycle cost esti-  
13 mates, and a knowledge-based acquisition plan  
14 for maturing technologies, stabilizing the pro-  
15 gram design, and ensuring key manufacturing  
16 processes are in control.

17 (B) Developing an efficient process for  
18 providing this information to the milestone deci-  
19 sion authority by—

20 (i) minimizing any reviews between  
21 the program office and the different func-  
22 tional staff offices within each chain of  
23 command level; and

24 (ii) establishing frequent, regular  
25 interaction between the program office and

1 milestone decision makers, in lieu of docu-  
2 mentation reviews, to help expedite the  
3 process.

4 (b) BRIEFING.—Not later than May 1, 2020, the  
5 Under Secretary of Defense for Acquisition and  
6 Sustainment shall provide to the congressional defense  
7 committees an informal briefing detailing—

8 (1) the acquisition programs selected pursuant  
9 to subsection (a);

10 (2) the associated action plans, including  
11 timelines, for each program; and

12 (3) the manner in which each program con-  
13 forms to the requirements set forth in subsection  
14 (a)(2).

15 **SEC. 809. DOCUMENTATION OF MARKET RESEARCH RE-**  
16 **LATED TO COMMERCIAL ITEM DETERMINA-**  
17 **TIONS.**

18 (a) IN GENERAL.—Section 2377(c) of title 10,  
19 United States Code, is amended—

20 (1) by redesignating paragraph (4) as para-  
21 graph (5); and

22 (2) by inserting after paragraph (3) the fol-  
23 lowing new paragraph:

1           “(4) The head of an agency shall document the  
2           results of market research in a manner appropriate  
3           to the size and complexity of the acquisition.”.

4           (b) CONFORMING AMENDMENT RELATED TO PRO-  
5           SPECTIVE AMENDMENT.—Section 836(d)(3)(C)(ii) of the  
6           John S. McCain National Defense Authorization Act for  
7           Fiscal Year 2019 (Public Law 115–232) is amended by  
8           striking “in paragraph (4)” and inserting “in paragraph  
9           (5)”.

10   **SEC. 810. MODIFICATION TO SMALL PURCHASE THRESH-**  
11                           **OLD EXCEPTION TO SOURCING REQUIRE-**  
12                           **MENTS FOR CERTAIN ARTICLES.**

13           Subsection (h) of section 2533a of title 10, United  
14           States Code, is amended to read as follows:

15           “(h) EXCEPTION FOR SMALL PURCHASES.—Sub-  
16           section (a) does not apply to purchases for amounts not  
17           greater than \$150,000. A proposed purchase or contract  
18           for an amount greater than \$150,000 may not be divided  
19           into several purchases or contracts for lesser amounts in  
20           order to qualify for this exception. On October 1 of each  
21           year evenly divisible by 5, the Secretary of Defense may  
22           adjust the dollar threshold in this subsection based on  
23           changes in the Consumer Price Index. The Secretary shall  
24           publish notice of any such adjustment in the Federal Reg-

1 ister, and the new price threshold shall take effect on the  
2 date of publication.”.

3 **Subtitle B—Provisions Relating to**  
4 **Major Defense Acquisition Pro-**  
5 **grams**

6 **SEC. 821. NAVAL VESSEL CERTIFICATION REQUIRED BE-**  
7 **FORE MILESTONE B APPROVAL.**

8 Section 2366b(a) of title 10, United States Code, is  
9 amended—

10 (1) in paragraph (3)(O), by striking “; and”  
11 and inserting a semicolon;

12 (2) in paragraph (4), by striking the period at  
13 the end and inserting “; and”; and

14 (3) by adding at the end the following new  
15 paragraph:

16 “(5) in the case of a naval vessel program, cer-  
17 tifies compliance with the requirements of section  
18 8669b of this title.”.

19 **Subtitle C—Industrial Base**  
20 **Matters**

21 **SEC. 831. MODERNIZATION OF ACQUISITION PROCESSES**  
22 **TO ENSURE INTEGRITY OF INDUSTRIAL**  
23 **BASE.**

24 (a) **DIGITIZATION AND MODERNIZATION.**—The Sec-  
25 retary of Defense shall streamline and digitize the existing

1 Department of Defense approach for identifying and miti-  
2 gating risks to the defense industrial base across the ac-  
3 quisition process, creating a continuous model that uses  
4 digital tools, technologies, and approaches designed to en-  
5 sure the accessibility of data to key decision-makers in the  
6 Department.

7 (b) ANALYTICAL FRAMEWORK.—

8 (1) IN GENERAL.—The Under Secretary of De-  
9 fense for Acquisition and Sustainment, in coordina-  
10 tion with the Defense Security Service (or successor  
11 entity) and other organizations as appropriate, shall  
12 develop an analytical framework for risk mitigation  
13 across the acquisition process.

14 (2) ELEMENTS.—The analytical framework re-  
15 quired under paragraph (1) shall include the fol-  
16 lowing elements:

17 (A) Characterization and monitoring of  
18 supply chain risks, including—

- 19 (i) material sources and fragility;  
20 (ii) counterfeit parts;  
21 (iii) cybersecurity of contractors;  
22 (iv) vendor vetting in contingency or  
23 operational environments; and  
24 (v) other risk areas as determined ap-  
25 propriate.

1 (B) Characterization and monitoring of  
2 risks posed by contractor behavior that con-  
3 stitute violations of laws or regulations, includ-  
4 ing those relating to—

5 (i) fraud;

6 (ii) ownership structures;

7 (iii) trafficking in persons;

8 (iv) workers' health and safety;

9 (v) affiliation with the enemy; and

10 (vi) other risk areas as deemed appro-  
11 priate.

12 (C) Characterization of the Department's  
13 acquisition processes and procedures, includ-  
14 ing—

15 (i) market research;

16 (ii) responsibility determinations, in-  
17 cluding consideration of the need for spe-  
18 cial standards of responsibility to address  
19 the risks described in subparagraphs (A)  
20 and (B);

21 (iii) facilities clearances;

22 (iv) contract requirements definition  
23 and technical evaluation;

24 (v) contract awards and contractor  
25 mobilization;

- 1 (vi) contractor mobilization to include  
2 hiring, training, and establishing facilities;  
3 (vii) contract administration, contract  
4 management, and oversight;  
5 (viii) contract audit for closeout;  
6 (ix) contractor business system re-  
7 views; and  
8 (x) other relevant processes and pro-  
9 cedures.

10 (D) Characterization and monitoring of the  
11 health and activities of the defense industrial  
12 base, including those relating to—

- 13 (i) balance sheets, revenues, profit-  
14 ability, and debt;  
15 (ii) investment, innovation, and tech-  
16 nological and manufacturing sophistica-  
17 tion;  
18 (iii) finances, access to capital mar-  
19 kets, and cost of raising capital within  
20 those markets;  
21 (iv) corporate governance, leadership,  
22 and culture of performance; and  
23 (v) history of performance on past  
24 Department of Defense and government  
25 contracts.

1 (c) ROLES AND RESPONSIBILITIES.—The Secretary  
2 of Defense shall designate the roles and responsibilities of  
3 organizations and individuals to execute activities under  
4 this section, including—

5 (1) the Under Secretary of Defense for Acquisi-  
6 tion and Sustainment, including the Office of De-  
7 fense Pricing and Contracting and the Office of In-  
8 dustrial Policy;

9 (2) Service Acquisition Executives;

10 (3) program offices and procuring contracting  
11 officers;

12 (4) administrative contracting officers within  
13 the Defense Contract Management Agency and the  
14 Supervisor of Shipbuilding;

15 (5) the Defense Security Service and the De-  
16 fense Counterintelligence Security Agency;

17 (6) the Defense Contract Audit Agency;

18 (7) departments, agencies, or activities which  
19 own or operate systems containing data relevant to  
20 Department of Defense contractors;

21 (8) the Under Secretary for Research and Engi-  
22 neering; and

23 (9) other relevant organizations and individuals.

24 (d) ENABLING DATA, TOOLS, AND SYSTEMS.—

1           (1) ASSESSMENT OF EXISTING DATA SOURCES,  
2           SYSTEMS, AND TOOLS.—

3           (A) IN GENERAL.—The Under Secretary of  
4           Defense for Acquisition and Sustainment, in  
5           consultation with the Chief Data Officer of the  
6           Department of Defense, and the Defense Secu-  
7           rity Service (or successor entity), shall assess  
8           the extent to which existing systems of record  
9           relevant to risk assessments and contracting are  
10          producing, exposing, and timely maintaining  
11          valid and reliable data for the purposes of the  
12          Department’s continuous assessment and miti-  
13          gation of risks in the defense industrial base.

14          (B) ELEMENTS.—The assessment required  
15          under subparagraph (A) shall include the fol-  
16          lowing elements:

17                 (i) Identification of the necessary  
18                 source data, to include data from contrac-  
19                 tors, intelligence and security activities,  
20                 program offices, and commercial research  
21                 entities.

22                 (ii) A description of the modern data  
23                 infrastructure, tools, and applications and  
24                 what changes would improve the effective-

1           ness and efficiency of mitigating the risks  
2           described in subsection (b)(2).

3           (iii) An assessment of the following  
4           systems owned or operated outside of the  
5           Department of Defense:

6                   (I) The Federal Awardee Per-  
7                   formance and Integrity Information  
8                   System (FAPIIS).

9                   (II) The System for Award Man-  
10                   agement (SAM).

11                   (III) The Federal Procurement  
12                   Data System—Next Generation  
13                   (FPDS-NG).

14           (iv) An assessment of systems owned  
15           or operated by the Department of Defense,  
16           including the Defense Security Service (or  
17           successor entity) and other defense agen-  
18           cies and field activities used to capture and  
19           analyze the performance of vendors and  
20           contractors.

21           (2) MODERNIZATION OF DATA COLLECTION,  
22           EXPOSURE, AND ANALYSIS METHODS.—Based on the  
23           findings pursuant to paragraph (1), the Secretary of  
24           Defense shall develop a unified set of activities to  
25           modernize the systems of record, data sources and

1 collection methods, and data exposure mechanisms.

2 The unified set of activities should feature—

3 (A) the ability to continuously collect data  
4 on, assess, and mitigate risks;

5 (B) data analytics and business intelligence  
6 tools and methods; and

7 (C) continuous development and contin-  
8 uous delivery of secure software to implement  
9 the activities.

10 (e) REPORTS.—

11 (1) INITIAL REPORT.—Not later than Novem-  
12 ber 15, 2019, the Secretary of Defense shall submit  
13 to the congressional defense committees a report on  
14 actions taken pursuant to this section, including rec-  
15 ommendations for any further authorities or legisla-  
16 tion.

17 (2) SECOND REPORT.—Not later than April 15,  
18 2020, the Secretary of Defense shall submit to the  
19 congressional defense committees a report on actions  
20 taken pursuant to this section, including rec-  
21 ommendations for any further legislation.

22 (f) COMPTROLLER GENERAL REVIEWS.—

23 (1) BRIEFING.—Not later than February 15,  
24 2020, the Comptroller General of the United States  
25 shall brief the congressional defense committees on

1 Department of Defense efforts over the previous 5  
2 years to continuously assess and mitigate risks to  
3 the defense industrial base across the acquisition  
4 process, and a summary of current and planned ef-  
5 forts.

6 (2) ANNUAL ASSESSMENTS.—Not later than  
7 June 15, 2020, and annually thereafter, the Comp-  
8 troller General of the United States shall submit to  
9 the congressional defense committees an assessment  
10 of Department of Defense progress in implementing  
11 the framework required under subsection (b).

12 **SEC. 832. ASSESSMENT OF PRECISION-GUIDED MISSILES**  
13 **FOR RELIANCE ON FOREIGN-MADE MICRO-**  
14 **ELECTRONIC COMPONENTS.**

15 (a) IN GENERAL.—Not later than August 31, 2020,  
16 the Secretary of the Air Force shall brief the congressional  
17 defense committees on the findings of an assessment of  
18 the Air Force’s precision-guided missiles for reliance on  
19 foreign-made microelectronic components.

20 (b) ELEMENTS.—The assessment required under  
21 subsection (a) shall—

22 (1) consider certain risks such as—

23 (A) where microelectronic components for  
24 all of the Air Force’s precision-guided missiles  
25 currently in production were made;

1 (B) the contract tier level of the microelec-  
2 tronic components supplier; and

3 (C) which of the microelectronic compo-  
4 nents are cyber security concerns; and

5 (2) identify mitigation strategies.

6 **SEC. 833. MITIGATING RISKS RELATED TO FOREIGN OWN-**  
7 **ERSHIP, CONTROL, OR INFLUENCE OF DE-**  
8 **PARTMENT OF DEFENSE CONTRACTORS OR**  
9 **SUBCONTRACTORS.**

10 (a) DEFINITIONS.—In this section:

11 (1) BENEFICIAL OWNER; BENEFICIAL OWNER-  
12 SHIP.—The terms “beneficial owner” and “beneficial  
13 ownership” shall be determined in the manner set  
14 forth in section 240.13d–3 of title 17, Code of Fed-  
15 eral Regulations.

16 (2) COMPANY.—The term “company” means  
17 any corporation, company, limited liability company,  
18 limited partnership, business trust, business associa-  
19 tion, or other similar entity.

20 (3) COVERED CONTRACTOR OR SUBCON-  
21 TRACTOR.—The term “covered contractor or subcon-  
22 tractor” means a company that is an existing or pro-  
23 spective contractor or subcontractor of the Depart-  
24 ment of Defense on a contract or subcontract with

1 a value in excess of \$5,000,000, except as provided  
2 in subsection (c).

3 (4) FOREIGN OWNERSHIP, CONTROL, OR INFLU-  
4 ENCE; FOICI.—The terms “foreign ownership, con-  
5 trol, or influence” and “FOICI” have the meanings  
6 given those terms under the policy, factors, and pro-  
7 cedures of the National Industrial Security Program  
8 Operating Manual, DOD 5220.22-M, or a successor  
9 document.

10 (b) IMPROVED ASSESSMENT AND MITIGATION OF  
11 RISKS RELATED TO FOREIGN OWNERSHIP, CONTROL, OR  
12 INFLUENCE.—

13 (1) IN GENERAL.—In developing and imple-  
14 menting the analytical framework for mitigating risk  
15 relating to ownership structures, as required by sec-  
16 tion 831(b)(2)(B)(ii), the Secretary of Defense shall  
17 improve the process and procedures for the assess-  
18 ment and mitigation of risks related to foreign own-  
19 ership, control, or influence (FOICI) of contractors  
20 and subcontractors doing business with the Depart-  
21 ment of Defense.

22 (2) ELEMENTS.—The process and procedures  
23 for the assessment and mitigation of risk relating to  
24 ownership structures referred to in paragraph (1)  
25 shall include the following elements:

1 (A) ASSESSMENT OF FOCI.—(i) A require-  
2 ment for covered contractors and subcontrac-  
3 tors to disclose to the Defense Security Service,  
4 or its successor organization, their beneficial  
5 ownership and whether they are under FOCI.

6 (ii) A requirement to update such diselo-  
7 cures when significant changes occur to infor-  
8 mation previously provided, consistent with or  
9 similar to the procedures for updating FOCI in-  
10 formation under the National Industrial Secu-  
11 rity Program.

12 (iii) A requirement for covered contractors  
13 and subcontractors determined to be under  
14 FOCI to disclose contact information for each  
15 of its foreign owners that is a beneficial owner.

16 (iv) A requirement that, at a minimum,  
17 the disclosures required by this paragraph be  
18 provided at the time the contract or subcontract  
19 is awarded, amended, or renewed, but in no  
20 case later than one year after the Secretary  
21 prescribes regulations to carry out this sub-  
22 section.

23 (B) RESPONSIBILITY DETERMINATION.—  
24 Consistent with section 831(b)(2)(C)(ii), consid-

1           eration of FOCI risks as part of responsibility  
2           determinations, including—

3                   (i) whether to establish a special  
4                   standard of responsibility relating to FOCI  
5                   risks for covered contractors or sub-  
6                   contractors, and the extent to which the  
7                   policies and procedures consistent with or  
8                   similar to those relating to FOCI under  
9                   the National Industrial Security Program  
10                  shall be applied to covered contractors or  
11                  subcontractors;

12                  (ii) procedures for contracting officers  
13                  making responsibility determinations re-  
14                  garding whether covered contractors and  
15                  subcontractors may be under foreign own-  
16                  ership, control, or influence and for deter-  
17                  mining whether there is reason to believe  
18                  that such foreign ownership, control, or in-  
19                  fluence would pose a risk to national secu-  
20                  rity or potential risk of compromise be-  
21                  cause of sensitive data, systems, or proc-  
22                  esses, such as personally identifiable infor-  
23                  mation, cybersecurity, or national security  
24                  systems involved with the contract or sub-  
25                  contract; and

1 (iii) modification of policies, directives,  
2 and practices to provide that an assess-  
3 ment that a covered contractor or subcon-  
4 tractor is under FOCI may be a sufficient  
5 basis for a contracting officer to determine  
6 that a contractor or subcontractor is not  
7 responsible.

8 (C) CONTRACT REQUIREMENTS, ADMINIS-  
9 TRATION, AND OVERSIGHT RELATING TO  
10 FOCI.—

11 (i) Requirements for contract clauses  
12 providing for and enforcing disclosures re-  
13 lated to changes in FOCI during perform-  
14 ance of the contract, consistent with sub-  
15 paragraph (A), and necessitating the effec-  
16 tive mitigation of risks related to FOCI  
17 throughout the duration of the contract or  
18 subcontract.

19 (ii) Pursuant to section 831(c), des-  
20 ignation of the appropriate Department of  
21 Defense official responsible to approve and  
22 to take actions relating to award, modifica-  
23 tion, termination of a contract, or direction  
24 to modify or terminate a subcontract due  
25 to an assessment by the Defense Security

1 Service, or its successor organization, that  
2 a covered contractor or subcontractor  
3 under FOCI poses a risk to national secu-  
4 rity or potential risk of compromise.

5 (iii) A requirement for the provision  
6 of additional information regarding bene-  
7 ficial ownership and control of any covered  
8 contractor or subcontractor on the contract  
9 or subcontract.

10 (iv) Other measures as necessary to  
11 be consistent with other relevant practices,  
12 policies, regulations, and actions, including  
13 those under the National Industrial Secu-  
14 rity Program.

15 (c) APPLICABILITY TO CONTRACTS AND SUB-  
16 CONTRACTS FOR COMMERCIAL PRODUCTS AND SERVICES  
17 AND OTHER FORMS OF ACQUISITION AGREEMENTS.—

18 (1) COMMERCIAL PRODUCTS AND SERVICES.—

19 The disclosure requirements under subsection (b)  
20 shall not apply to a contract or subcontract for com-  
21 mercial products or services, unless a designated  
22 senior official specifically requires the disclosures de-  
23 scribed in such subparagraphs with respect to the  
24 contract or subcontract based on a determination by  
25 the designated senior official that the contract or

1 subcontract involves a risk to national security or  
2 potential risk of compromise because of sensitive  
3 data, systems, or processes, such as personally iden-  
4 tifiable information, cybersecurity, or national secu-  
5 rity systems.

6 (2) RESEARCH AND DEVELOPMENT AND PRO-  
7 CUREMENT ACTIVITIES.—The Secretary of Defense  
8 shall ensure that the requirements of this section are  
9 applied to research and development and procure-  
10 ment activities, including for the delivery of services,  
11 established through any means including those  
12 under section 2358(b) of title 10, United States  
13 Code.

14 (d) AVAILABILITY OF RESOURCES.—The Secretary  
15 shall ensure that sufficient resources, including subject  
16 matter expertise, are allocated to execute the functions  
17 necessary to carry out this section, including the assess-  
18 ment, mitigation, contract administration, and oversight  
19 functions.

20 (e) REPORTING REQUIREMENTS AND LIMITED  
21 AVAILABILITY OF BENEFICIAL OWNERSHIP DATA.—

22 (1) IN GENERAL.—Not later than 180 days  
23 after the date of the enactment of this Act, the Sec-  
24 retary of Defense shall establish a process to update  
25 systems of record to improve the assessment and

1 mitigation of risks associated with FOCI through  
2 the inclusion and updating of all appropriate associ-  
3 ated uniquely identifying information about the con-  
4 tracts and contractors and subcontracts and sub-  
5 contractors in the Federal Awardee Performance  
6 and Integrity Information System (FAPIIS), admin-  
7 istered by the General Services Administration, and  
8 the Commercial and Government Entity (CAGE)  
9 database, administered by the Defense Logistics  
10 Agency.

11 (2) LIMITED AVAILABILITY OF INFORMATION.—  
12 The Secretary of Defense shall ensure that the infor-  
13 mation required to be disclosed pursuant to this sub-  
14 section is—

15 (A) not made public;

16 (B) made available via the FAPIIS and  
17 CAGE databases; and

18 (C) made available to appropriate govern-  
19 ment departments or agencies.

20 **SEC. 834. EXTENSION AND REVISIONS TO NEVER CON-**  
21 **TRACT WITH THE ENEMY.**

22 (a) EXTENSION.—Section 841(n) of the National De-  
23 fense Authorization Act for Fiscal Year 2015 (10 U.S.C.  
24 2302 note) is amended by striking “December 31, 2021”  
25 and inserting “December 31, 2023”.

1 (b) EXPANSION OF PROGRAM.—Section 841(a) of  
2 such Act is amended—

3 (1) in the heading, by striking “IDENTIFICA-  
4 TION OF PERSONS AND ENTITIES” and inserting  
5 “PROGRAM”;

6 (2) in the matter preceding paragraph (1), by  
7 striking “establish in” and all that follows and in-  
8 serting “establish a program to mitigate threats  
9 posed by vendors supporting operations outside the  
10 United States. The program shall use available intel-  
11 ligence to identify persons and entities that—”;

12 (3) in paragraph (1), by striking “; or” and in-  
13 serting a semicolon;

14 (4) in paragraph (2), by striking the period and  
15 inserting a semicolon; and

16 (5) by adding at the end the following new  
17 paragraphs:

18 “(3) directly or indirectly support a covered  
19 person or entity or otherwise pose a force protection  
20 risk to personnel of the United States or coalition  
21 forces; or

22 “(4) pose an unacceptable national security  
23 risk.”.

24 (c) INCLUSION OF ALL CONTRACTS.—Sections 841  
25 and 842 of such Act are further amended by striking “cov-

1 ered contract” each place it appears and inserting “con-  
2 tract”.

3 (d) INCLUSION OF ALL COMBATANT COMMANDS.—  
4 Sections 841 and 842 of such Act are further amended  
5 by striking “covered combatant command” each place it  
6 appears and inserting “combatant command”.

7 (e) COVERED PERSON OR ENTITY.—Section 843(6)  
8 of such Act is amended to read as follows:

9 “(6) COVERED PERSON OR ENTITY.—The term  
10 ‘covered person or entity’ means a person that is—

11 “(A) engaging in acts of violence against  
12 personnel of the United States or coalition  
13 forces;

14 “(B) providing financing, logistics, train-  
15 ing, or intelligence to a person described in sub-  
16 paragraph (A);

17 “(C) engaging in foreign intelligence activi-  
18 ties against the United States or against coali-  
19 tion forces;

20 “(D) engaging in transnational organized  
21 crime or criminal activities; or

22 “(E) engaging in other activities that  
23 present a direct or indirect risk to the national  
24 security of the United States or coalition  
25 forces.”.

1 (f) DELEGATION AUTHORITY OF COMBATANT COM-  
2 MANDER.—

3 (1) USE OF DESIGNEES.—Sections 841 and  
4 842 of such Act are further amended by striking  
5 “specified deputies” each place it appears and in-  
6 serting “designee”.

7 (2) REMOVAL OF LIMITATIONS ON DELEGA-  
8 TION.—Section 841 of such Act is further amended  
9 by striking subsection (g).

10 (g) AUTHORITIES TO TERMINATE, VOID, AND RE-  
11 STRICT.—Section 841(c) of such Act is further amended—

12 (1) in paragraph (1)—

13 (A) by inserting “to a person or entity”  
14 after “concerned”; and

15 (B) by striking “the contract” and all that  
16 follows through the period at the end and in-  
17 serting “the person or entity has been identified  
18 under the program established under subsection  
19 (a).”;

20 (2) in paragraph (2), by striking “has failed”  
21 and all that follows and inserting “has been identi-  
22 fied under the program established under subsection  
23 (a).”; and

24 (3) in paragraph (3), by striking “the contract”  
25 and all that follows through the period at the end

1 and inserting “the contractor, or the recipient of the  
2 grant or cooperative agreement, has been identified  
3 under the program established under subsection  
4 (a).”.

5 (h) CONTRACT CLAUSE.—Section 841(d)(2)(B) of  
6 such Act is amended by inserting “and restrict future  
7 award to any contractor, or recipient of a grant or cooper-  
8 ative agreement, that has been identified under the pro-  
9 gram established under subsection (a)” after “subsection  
10 (c)”.

11 (i) PARTICIPATION OF SECRETARY OF STATE.—Sec-  
12 tion 841 of such Act is further amended—

13 (1) in subsection (a) in the matter preceding  
14 paragraph (1), by striking “in consultation with”;  
15 and

16 (2) in subsection (f)(1), by striking “in con-  
17 sultation with”.

18 (j) SHARING OF INFORMATION ON SUPPORTERS OF  
19 THE ENEMY.—Section 841(h)(1) of such Act is further  
20 amended by striking “may be providing” and all that fol-  
21 lows through “or entity” and inserting “have been identi-  
22 fied under the program established under subsection (a)”.

23 (k) INAPPLICABILITY TO CERTAIN CONTRACTS,  
24 GRANTS, AND COOPERATIVE AGREEMENTS.—Section  
25 841(j) of such Act is amended by striking “contracts,

1 grants, and cooperative agreements” and all that follows  
2 through the period at the end and inserting “a contract,  
3 grant, or cooperative agreement that is performed entirely  
4 inside the United States unless the recipient of such con-  
5 tract, grant, or cooperative agreement is a foreign entity.”.

6 (l) CONSTRUCTION WITH OTHER AUTHORITIES.—

7 Section 841 of such Act is further amended—

8 (1) in subsection (l), by striking “Except as  
9 provided in subsection (m), the” and inserting  
10 “The”; and

11 (2) by striking subsection (m).

12 (m) ADDITIONAL ACCESS TO RECORDS.—Section  
13 842 of such Act is further amended—

14 (1) in subsection (a)—

15 (A) in paragraph (1), by striking “, except  
16 as provided under subsection (c)(1),”;

17 (B) in paragraph (2), by striking “ensure  
18 that funds” and all that follows through the pe-  
19 riod at the end and inserting “support the pro-  
20 gram established under section 841(a).”;

21 (C) in paragraph (3), by striking “that  
22 funds” and all that follows through the period  
23 at the end and inserting “that the examination  
24 of such records will support the program estab-  
25 lished under section 841(a).”; and

1 (D) by striking paragraph (4); and

2 (2) by striking subsection (c).

3 (n) REPORTS.—Subtitle E of title VIII of such Act  
4 (10 U.S.C. 2302 note) is further amended—

5 (1) in section 841(i)(1), in the matter preceding  
6 subparagraph (A), by striking “2016, 2017, and  
7 2018” and inserting “2016 through 2023”; and

8 (2) in section 842(b)(1), by striking “2016,  
9 2017, and 2018” and inserting “2016 through  
10 2023”.

11 (o) TECHNICAL AND CONFORMING AMENDMENTS.—

12 (1) SECTION HEADING.—The heading of section  
13 841 of such Act is amended by striking “**PRO-**  
14 **VIDING FUNDS TO**” and inserting “**SUP-**  
15 **PORTING**”.

16 (2) REDESIGNATIONS.—Section 841 of such  
17 Act is further amended by redesignating subsections  
18 (h) through (l) and (n) (as amended by subsections  
19 (a) through (n) of this section) as subsections (g)  
20 through (l), respectively.

21 (3) DEFINITIONS.—Section 843 of such Act is  
22 amended by striking paragraphs (2) through (5) and  
23 redesignating paragraphs (6) through (9) as para-  
24 graphs (2) through (5), respectively.

## 1 **Subtitle D—Small Business Matters**

### 2 **SEC. 841. REAUTHORIZATION AND IMPROVEMENT OF DE-** 3 **PARTMENT OF DEFENSE MENTOR-PROTÉGÉ** 4 **PROGRAM.**

5 (a) PERMANENT AUTHORIZATION.—Section 831 of  
6 the National Defense Authorization Act for Fiscal Year  
7 1991 (Public Law 101–510; 10 U.S.C. 2302 note) is  
8 amended by striking subsection (j).

9 (b) OFFICE OF SMALL BUSINESS PROGRAMS OVER-  
10 SIGHT.—Section 831 of the National Defense Authoriza-  
11 tion Act for Fiscal Year 1991 (Public Law 101–510; 10  
12 U.S.C. 2302 note) is amended—

13 (1) by redesignating subsection (n) as sub-  
14 section (o); and

15 (2) by inserting after subsection (m) the fol-  
16 lowing new subsection:

17 “(n) ESTABLISHMENT OF PERFORMANCE GOALS  
18 AND PERIODIC REVIEWS.—The Office of Small Business  
19 Programs of the Department of Defense shall—

20 “(1) establish performance goals consistent with  
21 the stated purpose of the Mentor-Protégé Program  
22 and outcome-based metrics to measure progress in  
23 meeting those goals; and

24 “(2) submit to the congressional defense com-  
25 mittees, not later than February 1, 2020, a report

1 on progress made toward implementing these per-  
2 formance goals and metrics, based on periodic re-  
3 views of the procedures used to approve mentor-  
4 protégé agreements.”.

5 (c) MODIFICATION OF DISADVANTAGED SMALL  
6 BUSINESS CONCERN DEFINITION.—Subsection (o)(2) of  
7 the National Defense Authorization Act for Fiscal Year  
8 1991 (Public Law 101–510; 10 U.S.C. 2302 note), as re-  
9 designated by subsection (b)(1) of this section, is amended  
10 by striking “has less than half the size standard cor-  
11 responding to its primary North American Industry Clas-  
12 sification System code” and inserting “is not more than  
13 the size standard corresponding to its primary North  
14 American Industry Classification System code”.

15 (d) REMOVAL OF PILOT PROGRAM REFERENCES.—  
16 Section 831 of the National Defense Authorization Act for  
17 Fiscal Year 1991 (Public Law 101–510; 10 U.S.C. 2302  
18 note) is amended—

19 (1) in the subsection heading for subsection (a),  
20 by striking “PILOT”; and

21 (2) by striking “pilot” each place it appears.

22 (e) INDEPENDENT REPORT ON PROGRAM EFFEC-  
23 TIVENESS.—

24 (1) IN GENERAL.—The Secretary of Defense  
25 shall direct the Defense Business Board to submit to

1 the congressional defense committees a report evalu-  
2 ating the effectiveness of the Mentor-Protégé Pro-  
3 gram established under section 831 of the National  
4 Defense Authorization Act for Fiscal Year 1991  
5 (Public Law 101–510; 10 U.S.C. 2302 note), includ-  
6 ing recommendations for improving the program in  
7 terms of performance metrics, forms of assistance,  
8 and overall program effectiveness not later than  
9 March 31, 2022.

10 (2) CONGRESSIONAL DEFENSE COMMITTEES  
11 DEFINED.—In this subsection, the term “congres-  
12 sional defense committees” has the meaning given  
13 that term in section 101(a)(16) of title 10, United  
14 States Code.

15 **SEC. 842. MODIFICATION OF JUSTIFICATION AND AP-**  
16 **PROVAL REQUIREMENT FOR CERTAIN DE-**  
17 **PARTMENT OF DEFENSE CONTRACTS.**

18 (a) MODIFICATION OF JUSTIFICATION AND AP-  
19 PROVAL REQUIREMENT.—Notwithstanding section 811 of  
20 the National Defense Authorization Act for Fiscal Year  
21 2010 (Public Law 111–84; 123 Stat. 2405)—

22 (1) no justification and approval is required  
23 under such section for a sole-source contract award-  
24 ed by the Department of Defense in a covered pro-

1       curement for an amount not exceeding  
2       \$100,000,000; and

3           (2) for purposes of subsections (a)(2) and  
4       (c)(3)(A) of such section, the appropriate official  
5       designated to approve the justification for a sole-  
6       source contract awarded by the Department of De-  
7       fense in a covered procurement exceeding  
8       \$100,000,000 is the official designated in section  
9       2304(f)(1)(B)(ii) of title 10, United States Code.

10       (b) GUIDANCE.—Not later than 90 days after the  
11      date of the enactment of this Act, the Secretary of Defense  
12      shall issue guidance to implement the authority under sub-  
13      section (a).

14       (c) COMPTROLLER GENERAL REVIEW.—

15           (1) DATA TRACKING AND COLLECTION.—The  
16      Department of Defense shall track the use of the au-  
17      thority provided pursuant to subsection (a) and  
18      make the data available to the Comptroller General  
19      for purposes of the report required under paragraph  
20      (2).

21           (2) REPORT.—Not later than February 1,  
22      2022, the Comptroller General of the United States  
23      shall submit a report to the congressional defense  
24      committees on the use of the authority provided pur-

1 suant to subsection (a) through the end of fiscal  
2 year 2021.

3 **Subtitle E—Provisions Related to**  
4 **Software-Driven Capabilities**

5 **SEC. 851. IMPROVED MANAGEMENT OF INFORMATION**  
6 **TECHNOLOGY AND CYBERSPACE INVEST-**  
7 **MENTS.**

8 (a) IMPROVED MANAGEMENT.—

9 (1) IN GENERAL.—The Chief Information Offi-  
10 cer of the Department of Defense shall work with  
11 the Chief Data Officer of the Department of De-  
12 fense to optimize the Department’s process for ac-  
13 counting for, managing, and reporting its informa-  
14 tion technology and cyberspace investments. The op-  
15 timization should include alternative methods of pre-  
16 senting budget justification materials to the public  
17 and congressional staff to more accurately commu-  
18 nicate when, how, and with what frequency capa-  
19 bility is delivered to end users, in accordance with  
20 best practices for managing and reporting on infor-  
21 mation technology investments.

22 (2) BRIEFING.—Not later than February 3,  
23 2020, the Chief Information Officer of the Depart-  
24 ment of Defense shall brief the congressional defense  
25 committees on the process optimization undertaken

1       pursuant to paragraph (1), including any rec-  
2       ommendations for legislation.

3       (b) DELIVERY OF INFORMATION TECHNOLOGY  
4 BUDGET.—The Secretary of Defense shall submit to the  
5 congressional defense committees the Department of De-  
6 fense budget request for information technology not later  
7 than 15 days after the submittal to Congress of the budget  
8 of the President for a fiscal year pursuant to section 1105  
9 of title 31, United States Code.

10 **SEC. 852. SPECIAL PATHWAYS FOR RAPID ACQUISITION OF**  
11 **SOFTWARE APPLICATIONS AND UPGRADES.**

12       (a) GUIDANCE REQUIRED.—Not later than 180 days  
13 after the date of the enactment of this Act, the Secretary  
14 of Defense shall establish guidance authorizing the use of  
15 special pathways for the rapid acquisition of software ap-  
16 plications and upgrades that are intended to be fielded  
17 within one year.

18       (b) SOFTWARE ACQUISITION PATHWAYS.—

19           (1) USE OF PROVEN TECHNOLOGIES AND SOLU-  
20 TIONS.—The guidance required by subsection (a)  
21 shall provide for the use of proven technologies and  
22 solutions to continuously engineer and deliver capa-  
23 bilities in software.

24           (2) OBJECTIVES.—The objectives of using the  
25 acquisition authority under this section shall be to

1 begin the engineering of new capabilities quickly, to  
2 demonstrate viability and effectiveness of those capa-  
3 bilities in operation, and to continue updating and  
4 delivering new capabilities iteratively afterwards.

5 (3) TREATMENT NOT AS ACQUISITION PRO-  
6 GRAM.—An acquisition using the authority under  
7 this section shall not be treated as an acquisition  
8 program for the purpose of section 2430 of title 10,  
9 United States Code, or Department of Defense Di-  
10 rective 5000.01 without the specific direction of the  
11 Under Secretary of Defense for Acquisition and  
12 Sustainment or a Senior Acquisition Executive.

13 (4) PATHWAYS.—The guidance shall provide for  
14 the following two rapid acquisition pathways:

15 (A) APPLICATIONS.—The applications soft-  
16 ware acquisition pathway shall provide for the  
17 use of rapid development and implementation of  
18 applications and other software and software  
19 improvements running on commercial com-  
20 modity hardware (including modified hardware)  
21 operated by the Department of Defense.

22 (B) EMBEDDED SYSTEMS.—The embedded  
23 systems software acquisition pathway shall pro-  
24 vide for the rapid development and insertion of  
25 upgrades and improvements for software em-

1           bedded in weapon systems and other military-  
2           unique hardware systems.

3           (c) EXPEDITED PROCESS.—

4           (1) IN GENERAL.—The guidance required by  
5           subsection (a) shall provide for a streamlined and  
6           coordinated requirements, budget, and acquisition  
7           process that results in the rapid fielding of software  
8           applications and software upgrades to embedded sys-  
9           tems in a period of not more than one year from the  
10          time that the process is initiated. It shall also re-  
11          quire the collection of data on the version fielded  
12          and continuous engagement with the users of that  
13          software, so as to enable engineering and delivery of  
14          additional versions in periods of not more than one  
15          year each.

16          (2) EXPEDITED SOFTWARE REQUIREMENTS  
17          PROCESS.—

18                 (A) INAPPLICABILITY OF EXISTING GUID-  
19                 ANCE.—Software acquisitions conducted under  
20                 the authority of this provision shall not be sub-  
21                 ject to the Joint Capabilities Integration and  
22                 Development System (JCIDS) Manual and De-  
23                 partment of Defense Directive 5000.01, except  
24                 to the extent specifically provided in the guid-  
25                 ance required under subsection (a) or by the

1 Under Secretary of Defense for Acquisition and  
2 Sustainment or a Senior Acquisition Executive.

3 (B) REQUIREMENTS.—The guidance re-  
4 quired by subsection (a) shall provide the fol-  
5 lowing with respect to requirements:

6 (i) Requirements for covered acquisi-  
7 tions are developed on an iterative basis  
8 through engagement with the user commu-  
9 nity, and the use of user feedback in order  
10 to regularly define and set priorities for  
11 software requirements and evaluate the  
12 software capabilities acquired.

13 (ii) The requirements process begins  
14 with the identification of the warfighter or  
15 user need, including the rationale for how  
16 these software capabilities will support in-  
17 creased lethality and efficiency, and the  
18 identification of a relevant user commu-  
19 nity.

20 (iii) Initial contract requirements are  
21 stated in the form of a summary-level list  
22 of problems and shortcomings in existing  
23 software systems and desired features or  
24 capabilities of new or upgraded software  
25 systems.

1 (iv) Contract requirements are con-  
2 tinuously refined and set in priority order  
3 in an evolutionary process through discus-  
4 sions with users that may continue  
5 throughout the development and implemen-  
6 tation period.

7 (v) Issues related to lifecycle costs and  
8 systems interoperability are continuously  
9 considered.

10 (vi) Issues of logistics support in cases  
11 where the software developer may stop  
12 supporting the software system are ad-  
13 dressed.

14 (vii) Rapid contracting procedures, to  
15 include timeframes for award, contract  
16 types, teaming, and options.

17 (viii) Execution processes, including  
18 supporting development and test infra-  
19 structure, automation and tools, data col-  
20 lection and sharing, the role of develop-  
21 mental and operational testing activities,  
22 and key decisionmaking and oversight  
23 events, and supporting processes and ac-  
24 tivities such as independent costing activ-

1           ity, operational demonstration, and per-  
2           formance metrics.

3           (ix) Administrative procedures, includ-  
4           ing procedures related to the roles and re-  
5           sponsibilities of the implementing project  
6           or product teams and supporting activities,  
7           team selection and staffing process, over-  
8           sight roles and responsibilities, and appro-  
9           priate independent technology assessments,  
10          testing, and cost estimation, including rel-  
11          evant thresholds or designation criteria.

12          (x) Mechanisms and waivers designed  
13          to ensure flexibility in the implementation  
14          of the authority, including the use of other  
15          transaction authority, broad agency an-  
16          nouncements, and other procedures.

## 17           **Subtitle F—Other Matters**

### 18   **SEC. 861. NOTIFICATION OF NAVY PROCUREMENT PRODUC-** 19           **TION DISRUPTIONS.**

20          (a) IN GENERAL.—Chapter 137 of title 10, United  
21          States Code, is amended by adding at the end the fol-  
22          lowing new section:

1 **“§ 2339b. Notification of Navy procurement produc-**  
 2 **tion disruptions**

3       “(a) REQUIREMENT FOR CONTRACTOR TO PROVIDE  
 4 NOTICE OF DELAYS.—The Secretary of the Navy shall re-  
 5 quire prime contractors of any Navy procurement program  
 6 to report within 15 calendar days any stop work order or  
 7 other manufacturing disruption of 15 calendar days or  
 8 more, by the prime contractor or any sub-contractor, to  
 9 the respective program manager and Navy technical au-  
 10 thority.

11       “(b) QUARTERLY REPORTS.—The Secretary of the  
 12 Navy shall submit to the congressional defense committees  
 13 not later than 15 calendar days after the end of each quar-  
 14 ter of a fiscal year a report listing all notifications made  
 15 pursuant to subsection (a) during the preceding quarter.”.

16       (b) CLERICAL AMENDMENT.—The table of sections  
 17 at the beginning of chapter 137 of title 10, United States  
 18 Code, is amended by inserting after the item relating to  
 19 section 2339a the following new item:

“2339b. Notification of Navy procurement production disruptions.”.

20 **SEC. 862. MODIFICATION TO ACQUISITION AUTHORITY OF**  
 21 **THE COMMANDER OF THE UNITED STATES**  
 22 **CYBER COMMAND.**

23       Section 807 of the National Defense Authorization  
 24 Act for Fiscal Year 2016 (Public Law 114–92; 10 U.S.C.  
 25 2224 note) is amended by inserting “on new contract ef-

1 forts” after “may not obligate or expend more than  
2 \$75,000,000”.

3 **SEC. 863. PROHIBITION ON OPERATION OR PROCUREMENT**  
4 **OF FOREIGN-MADE UNMANNED AIRCRAFT**  
5 **SYSTEMS.**

6 (a) PROHIBITION ON AGENCY OPERATION OR PRO-  
7 CUREMENT.—The Secretary of Defense may not operate  
8 or enter into or renew a contract for the procurement of—

9 (1) a covered unmanned aircraft system that—

10 (A) is manufactured in a covered foreign  
11 country or by an entity domiciled in a covered  
12 foreign country;

13 (B) uses flight controllers, radios, data  
14 transmission devices, cameras, or gimbals man-  
15 ufactured in a covered foreign country or by an  
16 entity domiciled in a covered foreign country;

17 (C) uses a ground control system or oper-  
18 ating software developed in a covered foreign  
19 country or by an entity domiciled in a covered  
20 foreign country; or

21 (D) uses network connectivity or data stor-  
22 age located in or administered by an entity  
23 domiciled in a covered foreign country; or

24 (2) a system manufactured in a covered foreign  
25 country or by an entity domiciled in a covered for-

1       eign country for the detection or identification of  
2       covered unmanned aircraft systems.

3       (b) EXEMPTION.—The Secretary of Defense is ex-  
4       empt from the restriction under subsection (a) if the oper-  
5       ation or procurement is for the purposes of—

6             (1) Counter-UAS surrogate testing and train-  
7       ing; or

8             (2) intelligence, electronic warfare, and infor-  
9       mation warfare operations, testing, analysis, and  
10      training.

11      (c) WAIVER.—The Secretary of Defense may waive  
12      the restriction under subsection (a) on a case by case basis  
13      by certifying in writing to the congressional defense com-  
14      mittees that the operation or procurement is required in  
15      the national interest of the United States.

16      (d) DEFINITIONS.—In this section:

17             (1) COVERED FOREIGN COUNTRY.—The term  
18       “covered foreign country” means the People’s Re-  
19       public of China.

20             (2) COVERED UNMANNED AIRCRAFT SYSTEM.—  
21       The term “covered unmanned aircraft system”  
22       means an unmanned aircraft system and any related  
23       services and equipment.

1 **SEC. 864. PROHIBITION ON CONTRACTING WITH PERSONS**  
2 **THAT HAVE BUSINESS OPERATIONS WITH**  
3 **THE MADURO REGIME.**

4 (a) PROHIBITION.—Except as provided under sub-  
5 sections (c), (d), and (e), the Department of Defense may  
6 not enter into a contract for the procurement of goods  
7 or services with any person that has business operations  
8 with an authority of the Government of Venezuela that  
9 is not recognized as the legitimate Government of Ven-  
10 ezuela by the United States Government.

11 (b) DEFINITIONS.—In this section:

12 (1) BUSINESS OPERATIONS.—The term “busi-  
13 ness operations” means engaging in commerce in  
14 any form, including acquiring, developing, maintain-  
15 ing, owning, selling, possessing, leasing, or operating  
16 equipment, facilities, personnel, products, services,  
17 personal property, real property, or any other appa-  
18 ratus of business or commerce.

19 (2) GOVERNMENT OF VENEZUELA.—(A) The  
20 term “Government of Venezuela” includes the gov-  
21 ernment of any political subdivision of Venezuela,  
22 and any agency or instrumentality of the Govern-  
23 ment of Venezuela.

24 (B) For purposes of subparagraph (A), the  
25 term “agency or instrumentality of the Government  
26 of Venezuela” means an agency or instrumentality

1 of a foreign state as defined in section 1603(b) of  
2 title 28, United States Code, with each reference in  
3 such section to “a foreign state” deemed to be a ref-  
4 erence to “Venezuela”.

5 (3) PERSON.—The term “person” means—

6 (A) a natural person, corporation, com-  
7 pany, business association, partnership, society,  
8 trust, or any other nongovernmental entity, or-  
9 ganization, or group;

10 (B) any governmental entity or instrumen-  
11 tality of a government, including a multilateral  
12 development institution (as defined in section  
13 1701(c)(3) of the International Financial Insti-  
14 tutions Act (22 U.S.C. 262r(c)(3))); and

15 (C) any successor, subunit, parent entity,  
16 or subsidiary of, or any entity under common  
17 ownership or control with, any entity described  
18 in subparagraph (A) or (B).

19 (c) EXCEPTIONS.—

20 (1) IN GENERAL.—The prohibition under sub-  
21 section (a) does not apply to a contract that the Sec-  
22 retary of Defense determines—

23 (A) is necessary—

1 (i) for purposes of providing humani-  
2 tarian assistance to the people of Ven-  
3 ezuela;

4 (ii) for purposes of providing disaster  
5 relief and other urgent life-saving meas-  
6 ures;

7 (iii) to carry out noncombatant evacu-  
8 ations; or

9 (iv) to carry out stabilization activi-  
10 ties; or

11 (B) is vital to the national security inter-  
12 ests of the United States.

13 (2) NOTIFICATION REQUIREMENT.—The Sec-  
14 retary of Defense shall notify the congressional de-  
15 fense committees of any contract entered into on the  
16 basis of an exception provided for under paragraph  
17 (1).

18 (d) OFFICE OF FOREIGN ASSETS CONTROL LI-  
19 CENSES.—The prohibition in subsection (a) shall not  
20 apply to a person that has a valid license to operate in  
21 Venezuela issued by the Office of Foreign Assets Control.

22 (e) AMERICAN DIPLOMATIC MISSION IN VEN-  
23 EZUELA.—The prohibition in subsection (a) shall not  
24 apply to contracts related to the operation and mainte-

1 nance of the United States Government's consular offices  
2 and diplomatic posts in Venezuela.

3 (f) APPLICABILITY.—This section shall apply with re-  
4 spect to any contract entered into on or after the date  
5 of the enactment of this section.

6 **SEC. 865. COMPTROLLER GENERAL OF THE UNITED**  
7 **STATES REPORT ON DEPARTMENT OF DE-**  
8 **FENSE EFFORTS TO COMBAT HUMAN TRAF-**  
9 **FICKING THROUGH PROCUREMENT PRAC-**  
10 **TICES.**

11 (a) IN GENERAL.—Not later than one year after the  
12 date of the enactment of this Act, the Comptroller General  
13 of the United States shall submit to the appropriate con-  
14 gressional committees a report on Department of Defense  
15 efforts to combat human trafficking.

16 (b) ELEMENTS.—The report required under sub-  
17 section (a) shall evaluate—

18 (1) the efforts of the Department of Defense to  
19 combat human trafficking in its contracting and  
20 supply chain policy, regulation, and practices, to in-  
21 clude implementation of title XVII of the National  
22 Defense Authorization Act for Fiscal Year 2013  
23 (Public Law 112–239; 126 Stat. 2092) and Execu-  
24 tive Order 13627 (77 Fed. Reg. 60029), as well as  
25 the nature and extent of training for Department of

1 Defense contract officers on how to evaluate compli-  
2 ance plans, monitor contractor adherence to the  
3 plans, and respond to reports of noncompliance;

4 (2) the role of the current trafficking in per-  
5 son's office within the Department of Defense in  
6 helping the Department address all forms of human  
7 trafficking, and what, if any, improvements should  
8 be made to the office;

9 (3) the process used by contract officers to  
10 evaluate compliance plans with regards to preventing  
11 human trafficking; and

12 (4) how many instances of human trafficking  
13 have been reported to the Inspector General of the  
14 Department of Defense and the outcome of those  
15 cases.

16 (c) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
17 FINED.—In this section , the term “appropriate congres-  
18 sional committees” means—

19 (1) the Committee on Armed Services and the  
20 Committee on the Judiciary of the Senate; and

21 (2) the Committee on Armed Services and the  
22 Committee on the Judiciary of the House of Rep-  
23 resentatives.

1 **TITLE IX—DEPARTMENT OF DE-**  
2 **FENSE ORGANIZATION AND**  
3 **MANAGEMENT**

4 **Subtitle A—Office of the Secretary**  
5 **of Defense and Related Matters**

6 **SEC. 901. HEADQUARTERS ACTIVITIES OF THE DEPART-**  
7 **MENT OF DEFENSE MATTERS.**

8 (a) ASSESSMENT AND REFORM OF ENTERPRISE  
9 BUSINESS OPERATIONS.—Subsection (b) of section 921 of  
10 the John S. McCain National Defense Authorization Act  
11 for Fiscal Year 2019 (Public Law 115–232; 10 U.S.C.  
12 2222 note) is amended to read as follows:

13 “(b) ASSESSMENT AND REFORM OF ENTERPRISE  
14 BUSINESS OPERATIONS.—

15 “(1) PERIODIC ASSESSMENTS AND ACTIONS.—  
16 Not later than January 1, 2020, and not less fre-  
17 quently than once every five years thereafter, the  
18 Secretary of Defense shall, acting through the Chief  
19 Management Officer of the Department of De-  
20 fense—

21 “(A) assess enterprise business operations  
22 of the Department of Defense across all organi-  
23 zations and elements of the Department; and

24 “(B) take or direct the taking of such ac-  
25 tions as will minimize the duplication of efforts

1           and maximize efficiency and effectiveness in  
2           mission execution.

3           “(2) CMO REPORTS.—Not later than January  
4           1 of every fifth calendar year beginning with Janu-  
5           ary 1, 2025, the Chief Management Officer shall  
6           submit to the congressional defense committees a re-  
7           port that describes the assessments carried out and  
8           the actions taken by the Chief Management Officer,  
9           and by other officers or employees of the Depart-  
10          ment at the direction of the Chief Management Of-  
11          fice, under this subsection during the preceding five  
12          years, including the following:

13                   “(A) A description of the metrics for per-  
14                   formance relating to minimization of duplica-  
15                   tion of efforts and maximization of efficiency  
16                   and effectiveness in mission execution estab-  
17                   lished for applicable organizations and elements  
18                   of the Department.

19                   “(B) A certification of any costs avoided or  
20                   cost savings achieved as a result of such assess-  
21                   ments and actions.”.

22          (b) REPORT ON MILITARY AND CIVILIAN PER-  
23          SONNEL FOR THE NGB AND NATIONAL GUARD JOINT  
24          STAFF.—Not later than January 1, 2020, the Secretary

1 of Defense shall submit to the congressional defense com-  
2 mittees a report setting forth the following:

3           (1) The total number of members of the Armed  
4 Forces and civilian employees of the Department of  
5 Defense assigned to the Office of the Chief of the  
6 National Guard Bureau and the National Guard  
7 Joint Staff.

8           (2) A recommendation for the total number of  
9 members and employees required for the Office of  
10 the Chief of the National Guard Bureau and the Na-  
11 tional Guard Joint Staff to execute the missions and  
12 functions of the National Guard Bureau and the Na-  
13 tional Guard Joint Staff.

14       (c) REPEAL OF SUPERSEDED LIMITATIONS.—The  
15 following provisions are repealed:

16           (1) Section 601 of the Goldwater-Nichols De-  
17 partment of Defense Reorganization Act of 1986 (10  
18 U.S.C. 194 note).

19           (2) Section 1111 of the Duncan Hunter Na-  
20 tional Defense Authorization Act for Fiscal Year  
21 2009 (10 U.S.C. 143 note).

22       (d) MODIFICATION OF LIMITATIONS ON NUMBER OF  
23 PERSONNEL IN OSD AND OTHER DoD HEAD-  
24 QUARTERS.—

1           (1) OSD.—Section 143 of title 10, United  
2 States Code, is amended—

3           (A) in subsection (a), by striking “3,767”  
4 and inserting “4,000”; and

5           (B) in subsection (b), by striking “, civil-  
6 ian, and detailed personnel” and inserting “and  
7 civilian personnel”.

8           (2) JOINT STAFF.—

9           (A) IN GENERAL.—Section 155(h) of such  
10 title is amended—

11           (i) in paragraph (1), by striking  
12 “2,069” and inserting “2,250”; and

13           (ii) in paragraph (2), by striking  
14 “1,500” and inserting “1,600”.

15           (B) EFFECTIVE DATE.—The amendments  
16 made by subparagraph (A) shall take effect on  
17 December 31, 2019, immediately after the com-  
18 ing into effect of the amendment made by sec-  
19 tion 903(b) of the National Defense Authoriza-  
20 tion Act for Fiscal Year 2017 (Public Law  
21 114–328; 130 Stat. 2344), to which such  
22 amendments relate

23           (3) OFFICE OF SECRETARY OF THE ARMY.—  
24 Section 7014(f) of title 10, United States Code, is  
25 amended—

1 (A) in paragraph (1), by striking “3,105”  
2 and inserting “3,250”; and

3 (B) in paragraph (2), by striking “1,865”  
4 and inserting “1,900”.

5 (4) OFFICE OF SECRETARY OF THE NAVY.—  
6 Section 8014(f) of such title is amended—

7 (A) in paragraph (1), by striking “2,866”  
8 and inserting “3,000”; and

9 (B) in paragraph (2), by striking “1,720”  
10 and inserting “1,800”.

11 (5) OFFICE OF SECRETARY OF THE AIR  
12 FORCE.—Section 9014(f) of such title is amended—

13 (A) in paragraph (1), by striking “2,639”  
14 and inserting “2,750”; and

15 (B) in paragraph (2), by striking “1,585”  
16 and inserting “1,650”.

17 (e) SUNSET OF REDUCTION IN FUNDING FOR DoD  
18 HEADQUARTERS, ADMINISTRATIVE, AND SUPPORT AC-  
19 TIVITIES.—Section 346 of the National Defense Author-  
20 ization Act for Fiscal Year 2016 (10 U.S.C. 111 note)  
21 is amended by adding at the end the following new sub-  
22 section:

23 “(c) SUNSET.—No action is required under this sec-  
24 tion with respect to any fiscal year after fiscal year  
25 2019.”.

1 **SEC. 902. RESPONSIBILITY OF UNDER SECRETARY OF DE-**  
2 **FENSE FOR ACQUISITION AND SUSTAINMENT**  
3 **FOR PROCUREMENT TECHNICAL ASSISTANCE**  
4 **COOPERATIVE AGREEMENT PROGRAM.**

5 (a) IN GENERAL.—Section 2411(3) of title 10,  
6 United States Code, is amended by striking “Secretary of  
7 Defense acting through the Director of the Defense Logis-  
8 tics Agency” and inserting “Secretary of Defense acting  
9 through the Under Secretary of Defense for Acquisition  
10 and Sustainment”.

11 (b) AUTHORITY TO PAY ADMINISTRATIVE AND  
12 OTHER COSTS.—Section 2417 of title 10, United States  
13 Code, is amended by striking “Director of the Defense Lo-  
14 gistics Agency” and inserting “Under Secretary of De-  
15 fense for Acquisition and Sustainment”.

16 **SEC. 903. RETURN TO CHIEF INFORMATION OFFICER OF**  
17 **THE DEPARTMENT OF DEFENSE OF RESPON-**  
18 **SIBILITY FOR BUSINESS SYSTEMS AND RE-**  
19 **LATED MATTERS.**

20 (a) RETURN OF RESPONSIBILITY.—

21 (1) IN GENERAL.—Section 142(b)(1) of title  
22 10, United States Code, is amended by striking  
23 “systems and” each place it appears in subpara-  
24 graphs (A), (B), and (C).

1           (2) CONFORMING AMENDMENTS TO CMO AU-  
2           THORITIES.—Section 132a(b) of such title is amend-  
3           ed—

4                   (A) in paragraph (2), by striking “per-  
5                   formance measurement and management, and  
6                   business information technology management  
7                   and improvement activities and programs” and  
8                   inserting “and performance measurement and  
9                   management activities and programs”;

10                   (B) by striking paragraphs (4) and (5);

11                   and

12                   (C) by redesignating paragraphs (6) and  
13                   (7) as paragraphs (4) and (5), respectively.

14           (b) CHIEF DATA OFFICER RESPONSIBILITY FOR  
15           DoD DATA SETS.—

16                   (1) IN GENERAL.—In addition to any other  
17                   functions and responsibilities specified in section  
18                   3520(c) of title 44, United States, Code, the Chief  
19                   Data Officer of the Department of Defense shall  
20                   also be the official in the Department of Defense  
21                   with principal responsibility for providing for the  
22                   availability of common, usable, Defense-wide data  
23                   sets.

24                   (2) ACCESS TO ALL DOD DATA.—In order to  
25                   carry out the responsibility specified in paragraph

1 (1), the Chief Data Officer shall have access to all  
2 Department of Defense data, including data in con-  
3 nection with warfighting missions and back-office  
4 data.

5 (3) RESPONSIBLE TO CIO.—The Chief Data Of-  
6 ficer shall report directly to the Chief Information  
7 Officer of the Department of Defense in the per-  
8 formance of the responsibility specified in paragraph  
9 (1).

10 (4) REPORT.—Not later than December 1,  
11 2019, the Secretary of Defense shall submit to the  
12 Committees on Armed Services of the Senate and  
13 the House of Representatives a report setting forth  
14 such recommendations for legislative or administra-  
15 tive action as the Secretary considers appropriate to  
16 carry out this subsection.

17 **SEC. 904. SENIOR MILITARY ADVISOR FOR CYBER POLICY**  
18 **AND DEPUTY PRINCIPAL CYBER ADVISOR.**

19 (a) ADVISOR.—

20 (1) IN GENERAL.—The Under Secretary of De-  
21 fense for Policy shall, acting through the Joint  
22 Staff, designate an officer within the Office of the  
23 Under Secretary of Defense for Policy to serve with-  
24 in that Office as the Senior Military Advisor for

1 Cyber Policy, and concurrently, as the Deputy Prin-  
2 cipal Cyber Advisor.

3 (2) OFFICERS ELIGIBLE FOR DESIGNATION.—

4 The officer designated pursuant to this subsection  
5 shall be designated from among commissioned reg-  
6 ular officers of the Armed Forces in a general or  
7 flag officer grade who are qualified for designation

8 (3) GRADE.—The officer designated pursuant  
9 to this subsection shall have the grade of major gen-  
10 eral or rear admiral while serving in that position,  
11 without vacating the officer's permanent grade.

12 (b) SCOPE OF POSITIONS.—

13 (1) IN GENERAL.—The officer designated pur-  
14 suant to subsection (a) is each of the following:

15 (A) The Senior Military Advisor for Cyber  
16 Policy to the Under Secretary of Defense for  
17 Policy.

18 (B) The Deputy Principal Cyber Advisor  
19 to the Under Secretary of Defense for Policy.

20 (2) DIRECTION AND CONTROL AND REPORT-  
21 ING.—In carrying out duties under this section, the  
22 officer designed pursuant to subsection (a) shall be  
23 subject to the authority, direction, and control of,  
24 and shall report directly to, the following:

1           (A) The Under Secretary with respect to  
2           Senior Military Advisor for Cyber Policy duties.

3           (B) The Principal Cyber Advisor with re-  
4           spect to Deputy Principal Cyber Advisor duties.

5           (c) DUTIES.—

6           (1) DUTIES AS SENIOR MILITARY ADVISOR FOR  
7           CYBER POLICY.—The duties of the officer designated  
8           pursuant to subsection (a) as Senior Military Advi-  
9           sor for Cyber Policy are as follows:

10           (A) To serve as the principal uniformed  
11           military advisor on military cyber forces and ac-  
12           tivities to the Under Secretary of Defense for  
13           Policy.

14           (B) To assess and advise the Under Sec-  
15           retary on aspects of policy relating to military  
16           cyberspace operations, resources, personnel,  
17           cyber force readiness, cyber workforce develop-  
18           ment, and defense of Department of Defense  
19           networks.

20           (C) To advocate, in consultation with the  
21           Joint Staff, and senior officers of the Armed  
22           Forces and the combatant commands, for con-  
23           sideration of military issues within the Office of  
24           the Under Secretary of Defense for Policy, in-

1 including coordination and synchronization of De-  
2 partment cyber forces and activities.

3 (D) To maintain open lines of communica-  
4 tion between the Chief Information Officer of  
5 the Department of Defense, senior civilian lead-  
6 ers within the Office of the Under Secretary,  
7 and senior officers on the Joint Staff, the  
8 Armed Forces, and the combatant commands  
9 on cyber matters, and to ensure that military  
10 leaders are informed on cyber policy decisions.

11 (2) DUTIES AS DEPUTY PRINCIPAL CYBER AD-  
12 VISOR.—The duties of the officer designated pursu-  
13 ant to subsection (a) as Deputy Principal Cyber Ad-  
14 visor are as follows:

15 (A) To synchronize, coordinate, and over-  
16 see implementation of the Cyber Strategy of the  
17 Department of Defense and other relevant pol-  
18 icy and planning.

19 (B) To advise the Secretary of Defense on  
20 cyber programs, projects, and activities of the  
21 Department, including with respect to policy,  
22 training, resources, personnel, manpower, and  
23 acquisitions and technology.

24 (C) To oversee implementation of Depart-  
25 ment policy and operational directives on cyber

1 programs, projects, and activities, including  
2 with respect to resources, personnel, manpower,  
3 and acquisitions and technology.

4 (D) To assist in the overall supervision of  
5 Department cyber activities relating to offensive  
6 missions.

7 (E) To assist in the overall supervision of  
8 Department defensive cyber operations, includ-  
9 ing activities of component-level cybersecurity  
10 service providers and the integration of such ac-  
11 tivities with activities of the Cyber Mission  
12 Force.

13 (F) To advise senior leadership of the De-  
14 partment on, and advocate for, investment in  
15 capabilities to execute Department missions in  
16 and through cyberspace.

17 (G) To identify shortfalls in capabilities to  
18 conduct Department missions in and through  
19 cyberspace, and make recommendations on ad-  
20 dressing such shortfalls in the Program Budget  
21 Review process.

22 (H) To coordinate and consult with stake-  
23 holders in the cyberspace domain across the De-  
24 partment in order to identify other issues on

1 cyberspace for the attention of senior leadership  
2 of the Department.

3 (I) On behalf of the Principal Cyber Advi-  
4 sor, to lead the cross-functional team estab-  
5 lished pursuant to 932(c)(3) of the National  
6 Defense Authorization Act for Fiscal Year 2014  
7 (10 U.S.C. 2224 note) in order to synchronize  
8 and coordinate military and civilian cyber forces  
9 and activities of the Department.

10 **SEC. 905. LIMITATION ON TRANSFER OF STRATEGIC CAPA-**  
11 **BILITIES OFFICE.**

12 (a) LIMITATION.—The Under Secretary of Defense  
13 for Research and Engineering may not transfer the Stra-  
14 tegic Capabilities Office or change the reporting structure  
15 of the Office, as in effect on the day before the date of  
16 the enactment of this Act, until the Secretary of Defense,  
17 acting through the Chief Management Officer and the  
18 Under Secretary of Defense for Research and Engineering  
19 and in consultation with the United States Indo-Pacific,  
20 Europe, and Special Operations Command, submits the  
21 report required by subsection (b)(1).

22 (b) REPORT.—

23 (1) IN GENERAL.—The Secretary shall submit  
24 to the congressional defense committees a report

1 that evaluates the following options for transferring  
2 the Office:

3 (A) Transferring the Office so that the Di-  
4 rector of the Office reports directly to the  
5 Under Secretary of Defense for Acquisition and  
6 Sustainment.

7 (B) Maintaining the arrangement in effect  
8 on the day before the date of the enactment of  
9 this Act such that the Director continues to re-  
10 port to the Under Secretary of Defense for Re-  
11 search and Engineering.

12 (C) Transferring the Office to the Defense  
13 Advanced Research Projects Agency.

14 (D) Such other options as the Under Sec-  
15 retary may identify.

16 (2) CONTENTS.—The report submitted under  
17 paragraph (1) shall include, for each option evalu-  
18 ated under such paragraph, an evaluation of whether  
19 the option considered will provide for—

20 (A) responding to the critical needs of  
21 combatant commanders;

22 (B) augmentation of cross-Department of  
23 Defense efforts with respect to developing stra-  
24 tegic capabilities;

1 (C) developing new and innovative ways to  
2 counter advanced threats;

3 (D) providing sound technical and program  
4 management for activities of the Strategic Ca-  
5 pabilities Office;

6 (E) coordinating appropriately with other  
7 research and technology development activities  
8 of the Department; and

9 (F) partnering with and responding to sen-  
10 ior leadership across the Department.

11 **Subtitle B—Organization and Man-**  
12 **agement of Other Department of**  
13 **Defense Offices and Elements**

14 **SEC. 911. ASSISTANT SECRETARIES OF THE MILITARY DE-**  
15 **PARTMENTS FOR ENERGY, INSTALLATIONS,**  
16 **AND ENVIRONMENT.**

17 (a) ASSISTANT SECRETARY OF THE ARMY.—Section  
18 7016(b) of title 10, United States Code, is amended by  
19 adding at the end the following new paragraph:

20 “(6) One of the Assistant Secretaries shall be the As-  
21 sistant Secretary of the Army for Energy, Installations,  
22 and Environment.”.

23 (b) ASSISTANT SECRETARY OF THE NAVY.—Section  
24 8016(b) of such title is amended by adding at the end  
25 the following new paragraph:

1 “(5) One of the Assistant Secretaries shall be the As-  
 2 sistant Secretary of the Navy for Energy, Installations,  
 3 and Environment.”.

4 (c) ASSISTANT SECRETARY OF THE AIR FORCE.—  
 5 Section 9016(b) of such title is amended by adding at the  
 6 end the following new paragraph:

7 “(5) One of the Assistant Secretaries shall be the As-  
 8 sistant Secretary of the Air Force for Energy, Installa-  
 9 tions, and Environment.”.

10 **SEC. 912. REPEAL OF CONDITIONAL DESIGNATION OF EX-**  
 11 **PLOSIVE ORDNANCE DISPOSAL CORPS AS A**  
 12 **BASIC BRANCH OF THE ARMY.**

13 Section 582 of the National Defense Authorization  
 14 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
 15 1415) is repealed, and the amendment otherwise provided  
 16 for by subsection (a) of that section shall not be made.

17 **Subtitle C—Other Matters**

18 **SEC. 921. EXCLUSION FROM LIMITATIONS ON PERSONNEL**  
 19 **IN THE OFFICE OF THE SECRETARY OF DE-**  
 20 **FENSE AND DEPARTMENT OF DEFENSE**  
 21 **HEADQUARTERS OF FELLOWS APPOINTED**  
 22 **UNDER THE JOHN S. MCCAIN DEFENSE FEL-**  
 23 **LOWS PROGRAM.**

24 Section 932(f)(3) of the John S. McCain National  
 25 Defense Authorization Act for Fiscal Year 2019 (Public

1 Law 115–232; 132 Stat. 1935; 10 U.S.C. prec. 1580 note)  
2 is amended by adding at the end the following new sen-  
3 tence: “An individual appointed pursuant to this para-  
4 graph shall not count against the limitation on the number  
5 of Office of the Secretary of Defense personnel in section  
6 143 of title 10, United States Code, or any similar limita-  
7 tion in law on the number of personnel in headquarters  
8 of the Department that would otherwise apply to the office  
9 or headquarters to which appointed.”.

10 **SEC. 922. REPORT ON RESOURCES TO IMPLEMENT THE CI-**  
11 **VILIAN CASUALTY POLICY OF THE DEPART-**  
12 **MENT OF DEFENSE.**

13 Not later than 30 days after the date of the enact-  
14 ment of this Act, the Secretary of Defense shall submit  
15 to the congressional defense committees a report, in un-  
16 classified form, on the resources necessary over the period  
17 of the future-years defense plan for fiscal year 2020 under  
18 section 221 of title United States Code, to fulfill the re-  
19 quirements of section 936 of the John S. McCain National  
20 Defense Authorization Act for Fiscal Year 2019 (Public  
21 Law 115–232; 132 Stat. 1939; 10 U.S.C. 134 note) and  
22 fully implement policies developed as a result of such sec-  
23 tion.

1 **TITLE X—GENERAL PROVISIONS**

2 **Subtitle A—Financial Matters**

3 **SEC. 1001. GENERAL TRANSFER AUTHORITY.**

4 (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

5 (1) **AUTHORITY.**—Upon determination by the  
6 Secretary of Defense that such action is necessary in  
7 the national interest, the Secretary may transfer  
8 amounts of authorizations made available to the De-  
9 partment of Defense in this division for fiscal year  
10 2020 between any such authorizations for that fiscal  
11 year (or any subdivisions thereof). Amounts of au-  
12 thorizations so transferred shall be merged with and  
13 be available for the same purposes as the authoriza-  
14 tion to which transferred.

15 (2) **LIMITATION.**—Except as provided in para-  
16 graph (3), the total amount of authorizations that  
17 the Secretary may transfer under the authority of  
18 this section may not exceed \$4,000,000,000.

19 (3) **EXCEPTION FOR TRANSFERS BETWEEN**  
20 **MILITARY PERSONNEL AUTHORIZATIONS.**—A trans-  
21 fer of funds between military personnel authoriza-  
22 tions under title IV shall not be counted toward the  
23 dollar limitation in paragraph (2).

24 (b) **LIMITATIONS.**—The authority provided by sub-  
25 section (a) to transfer authorizations—

1           (1) may only be used to provide authority for  
2 items that have a higher priority than the items  
3 from which authority is transferred; and

4           (2) may not be used to provide authority for an  
5 item that has been denied authorization by Con-  
6 gress.

7       (c) EFFECT ON AUTHORIZATION AMOUNTS.—A  
8 transfer made from one account to another under the au-  
9 thority of this section shall be deemed to increase the  
10 amount authorized for the account to which the amount  
11 is transferred by an amount equal to the amount trans-  
12 ferred.

13       (d) NOTICE TO CONGRESS.—The Secretary shall  
14 promptly notify Congress of each transfer made under  
15 subsection (a).

16 **SEC. 1002. MODIFICATION OF REQUIRED ELEMENTS OF AN-**  
17 **NUAL REPORTS ON EMERGENCY AND EX-**  
18 **TRAORDINARY EXPENSES OF THE DEPART-**  
19 **MENT OF DEFENSE.**

20       Paragraph (2) of section 127(d) of title 10, United  
21 States Code, is amended to read as follows:

22       “(2) Each report submitted under paragraph (1)  
23 shall include, for each individual expenditure covered by  
24 such report in an amount in excess of \$20,000, the fol-  
25 lowing:

1           “(A) A detailed description of the purpose of  
2 such expenditure.

3           “(B) The amount of such expenditure.

4           “(C) An identification of the approving author-  
5 ity for such expenditure.

6           “(D) A justification why other authorities avail-  
7 able to the Department could not be used for such  
8 expenditure.

9           “(E) Any other matters the Secretary considers  
10 appropriate.”.

11 **SEC. 1003. INCLUSION OF MILITARY CONSTRUCTION**  
12 **PROJECTS IN ANNUAL REPORTS ON UN-**  
13 **FUNDED PRIORITIES OF THE ARMED FORCES**  
14 **AND THE COMBATANT COMMANDS.**

15       (a) INCLUSION OF MILITARY CONSTRUCTION  
16 PROJECTS AMONG UNFUNDED PRIORITIES.—Subsection  
17 (d) of section 222a of title 10, United States Code, is  
18 amended in the matter preceding paragraph (1) by insert-  
19 ing “, including a military construction project,” after  
20 “program, activity, or mission requirement”.

21       (b) ORDER OF URGENCY OF PRIORITY.—Paragraph  
22 (2) of subsection (c) of such section is amended to read  
23 as follows:

1           “(2) PRIORITIZATION OF PRIORITIES.—Each  
2 report shall present the unfunded priorities covered  
3 by such report as follows:

4                   “(A) In overall order of urgency of pri-  
5 ority.

6                   “(B) In overall order of urgency of priority  
7 among unfunded priorities (other than military  
8 construction projects).

9                   “(C) In overall order of urgency of priority  
10 among military construction projects.”.

11 **SEC. 1004. PROHIBITION ON DELEGATION OF RESPONSIB-**  
12 **ILITY FOR SUBMITTAL TO CONGRESS OF**  
13 **OUT-YEAR UNCONSTRAINED TOTAL MUNI-**  
14 **TIONS REQUIREMENTS AND OUT-YEAR IN-**  
15 **VENTORY NUMBERS.**

16 Section 222c of title 10, United States Code, is  
17 amended—

18           (1) in subsection (a), by striking “subsection  
19 (b)” and inserting “subsection (c)”;

20           (2) by redesignating subsections (b), (c), and  
21 (d) as subsections (c), (d), and (e), respectively;

22           (3) by inserting after subsection (a) the fol-  
23 lowing new subsection (b):

24           “(b) PROHIBITION ON DELEGATION OF SUBMITTAL  
25 RESPONSIBILITY.—The responsibility of the chief of staff

1 of an armed force in subsection (a) to submit a report  
2 may not be delegated outside the armed force concerned.”;  
3 and

4 (4) in subsection (c), as redesignated by para-  
5 graph (2), by striking “subsection (c)” in paragraph  
6 (6) and inserting “subsection (d)”.

7 **SEC. 1005. ELEMENT IN ANNUAL REPORTS ON THE FINAN-**  
8 **CIAL IMPROVEMENT AND AUDIT REMEDI-**  
9 **ATION PLAN ON ACTIVITIES WITH RESPECT**  
10 **TO CLASSIFIED PROGRAMS.**

11 Section 240b(b)(1) of title 10, United States Code,  
12 is amended—

13 (1) in subparagraph (B), by adding at the end  
14 the following new clause:

15 “(ix) A description of audit activities  
16 and results for classified programs, includ-  
17 ing a description of the use of procedures  
18 and requirements to prevent unauthorized  
19 exposure of classified information in such  
20 activities.”; and

21 (2) in subparagraph (C)(i), by inserting “or  
22 (ix)” after “clause (vii)”.

1 **SEC. 1006. MODIFICATION OF SEMIANNUAL BRIEFINGS ON**  
2 **THE CONSOLIDATED CORRECTIVE ACTION**  
3 **PLAN OF THE DEPARTMENT OF DEFENSE**  
4 **FOR FINANCIAL MANAGEMENT INFORMA-**  
5 **TION.**

6 (a) IN GENERAL.—Paragraph (2) of section 240b(b)  
7 of title 10, United States Code, is amended to read as  
8 following:

9 “(2) SEMIANNUAL BRIEFINGS.—

10 “(A) IN GENERAL.—Not later than Feb-  
11 ruary 28 and September 30 each year, the  
12 Under Secretary of Defense (Comptroller) and  
13 the comptrollers of the military departments  
14 shall provide a briefing to the congressional de-  
15 fense committees on the status of the consoli-  
16 dated corrective action plan referred to in para-  
17 graph (1)(B)(i) as of the end of the most recent  
18 calendar half-year ending before such briefing.

19 “(B) ELEMENTS.—Each briefing under  
20 subparagraph (A) shall include the following:

21 “(i) The absolute number, and the  
22 percentage, of personnel performing the  
23 amount of auditing or audit remediation  
24 services being performed by professionals  
25 meeting the qualifications described in sec-  
26 tion 240d(b) of this title as of the last day

1 of the calendar half-year covered by such  
2 briefing.

3 “(ii) With respect to each finding and  
4 recommendation issued in connection with  
5 the audit of the financial statements of a  
6 department, agency, component, or other  
7 element of the Department of Defense, or  
8 the Department of Defense as a whole,  
9 that was received by the Department dur-  
10 ing the calendar half-year covered by such  
11 briefing, each of the following:

12 “(I) A description of the manner  
13 in which the corrective action plan of  
14 such department, agency, component,  
15 or element and the corrective action  
16 plan of the Department as a whole, or  
17 the corrective action plan of the De-  
18 partment as a whole (in the case of a  
19 finding or recommendation regarding  
20 the Department as a whole), has been  
21 modified in order to incorporate such  
22 finding or recommendation into such  
23 plans or plan.

24 “(II) An identification of the  
25 processes, systems, procedures, and

1 technologies required to implement  
2 such corrective action plans or plan,  
3 as so modified.

4 “(III) A determination of the  
5 funds required to procure, obtain, or  
6 otherwise implement each process,  
7 system, and technology identified pur-  
8 suant to subclause (II).

9 “(IV) An identification the man-  
10 ner in which such corrective action  
11 plans or plan, as so modified, support  
12 the National Defense Strategy (NDS)  
13 of the United States.”.

14 (b) TECHNICAL AMENDMENT.—Paragraph (1)(B)(i)  
15 of such section is amended by striking “section 253a” and  
16 inserting “section 240c”.

17 (c) EFFECTIVE DATE.—The amendment made by  
18 subsection (a) shall take effect on the date of the enact-  
19 ment of this Act, and shall apply with respect to calender  
20 half-years that end on or after that date.

21 **SEC. 1007. UPDATE OF AUTHORITIES AND RENAMING OF**  
22 **DEPARTMENT OF DEFENSE ACQUISITION**  
23 **WORKFORCE DEVELOPMENT FUND.**

24 (a) RENAMING AS ACCOUNT.—

1 (1) IN GENERAL.—Section 1705 of title 10,  
2 United States Code, is amended—

3 (A) in subsection (a), by striking “the ‘De-  
4 partment of Defense Acquisition Workforce De-  
5 velopment Fund’ (in this section referred to as  
6 the ‘Fund’)” and inserting “the ‘Department of  
7 Defense Acquisition Workforce Development  
8 Account’ (in this section referred to as the ‘Ac-  
9 count’)”; and

10 (B) by striking “Fund” each place it ap-  
11 pears (other than subsection (e)(6)) and insert-  
12 ing “Account”.

13 (2) CONFORMING AND CLERICAL AMEND-  
14 MENTS.—

15 (A) SECTION HEADING.—The heading of  
16 such section is amended to read as follows:

17 **“§ 1705. Department of Defense Acquisition Work-  
18 force Development Account”.**

19 (B) CLERICAL AMENDMENT.—The table of  
20 sections at the beginning of subchapter I of  
21 chapter 87 of such title is amended by striking  
22 the item relating to section 1705 and inserting  
23 the following new item:

“1705. Department of Defense Acquisition Workforce Development Account.”.

24 (b) MANAGEMENT.—Such section is further amended  
25 by striking “Under Secretary of Defense for Acquisition,

1 Technology, and Logistics” each place it appears and in-  
2 serting “Under Secretary of Defense for Acquisition and  
3 Sustainment”.

4 (c) APPROPRIATIONS AS SOLE ELEMENTS OF AC-  
5 COUNT.—Subsection (d) of such section is amended to  
6 read as follows:

7 “(d) ELEMENTS.—The Account shall consist of  
8 amounts appropriated to the Account by law.”.

9 (d) AVAILABILITY OF AMOUNTS IN ACCOUNT.—Sub-  
10 section (e)(6) of such section is amended by striking  
11 “credited to the Fund” and all that follows and inserting  
12 “appropriated to the Account pursuant to subsection (d)  
13 shall remain available for expenditure for the fiscal year  
14 in which appropriated and the succeeding fiscal year.”.

15 (e) EFFECTIVE DATE.—

16 (1) IN GENERAL.—The amendments made by  
17 this section shall take effect on October 1, 2019,  
18 and shall apply with respect to fiscal years that  
19 begin on or after that date.

20 (2) DURATION OF AVAILABILITY OF PRE-  
21 VIOUSLY DEPOSITED FUNDS.—Nothing in the  
22 amendments made by this section shall modify the  
23 duration of availability of amounts in the Depart-  
24 ment of Defense Acquisition Workforce Development  
25 Fund that were appropriated or credited to, or de-

1       posited, in the Fund, before October 1, 2019, as  
2       provided for in section 1705(e)(6) of title 10, United  
3       States Code, as in effect on the day before such  
4       date.

## 5       **Subtitle B—Counterdrug Activities**

### 6       **SEC. 1011. MODIFICATION OF AUTHORITY TO SUPPORT A** 7                               **UNIFIED COUNTERDRUG AND COUNTERTER-** 8                               **RORISM CAMPAIGN IN COLOMBIA.**

9       Section 1021(a)(1) of the Ronald W. Reagan Na-  
10      tional Defense Authorization Act for Fiscal Year 2005  
11      (Public Law 108–375; 118 Stat. 2042), as most recently  
12      amended by section 1011(1) of the National Defense Au-  
13      thorization Act for Fiscal Year 2018 (Public Law 115–  
14      91; 131 Stat. 1545), is further amended by striking “orga-  
15      nizations designated as” and all that follows and inserting  
16      “terrorist organizations or other illegally armed groups  
17      that the Secretary of Defense, with the concurrence of the  
18      Secretary of State, determines pose a threat to the na-  
19      tional security interests of the United States.”.

1 **SEC. 1012. TWO-YEAR EXTENSION OF AUTHORITY FOR**  
2 **JOINT TASK FORCES TO PROVIDE SUPPORT**  
3 **TO LAW ENFORCEMENT AGENCIES CON-**  
4 **DUCTING COUNTER-TERRORISM ACTIVITIES.**

5 Section 1022(b) of the National Defense Authoriza-  
6 tion Act for Fiscal Year 2004 (10 U.S.C. 271 note) is  
7 amended by striking “2020” and inserting “2022”.

8 **Subtitle C—Naval Vessels and**  
9 **Shipyards**

10 **SEC. 1016. MODIFICATION OF AUTHORITY TO PURCHASE**  
11 **VESSELS USING FUNDS IN NATIONAL DE-**  
12 **FENSE SEALIFT FUND.**

13 (a) **IN GENERAL.**—Section 2218(f)(3)(E) of title 10,  
14 United States Code, is amended—

15 (1) in clause (i), by striking “ten new sealift  
16 vessels” and inserting “ten new vessels that are sea-  
17 lift vessels, auxiliary vessels, or a combination of  
18 such vessels”; and

19 (2) in clause (ii), by striking “sealift”.

20 (b) **EFFECTIVE DATE.**—The amendments made by  
21 subsection (a) shall take effect on October 1, 2019, and  
22 shall apply with respect to fiscal years beginning on or  
23 after that date.

1 **SEC. 1017. SENIOR TECHNICAL AUTHORITY FOR EACH**  
2 **NAVAL VESSEL CLASS.**

3 (a) SENIOR TECHNICAL AUTHORITY FOR EACH  
4 CLASS REQUIRED.—Chapter 863 of title 10, United  
5 States Code, is amended by inserting after section 8669a  
6 the following new section:

7 **“§ 8669b. Senior Technical Authority for each naval**  
8 **vessel class**

9 “(a) SENIOR TECHNICAL AUTHORITY.—

10 “(1) DESIGNATION FOR EACH VESSEL CLASS  
11 REQUIRED.—The Secretary of the Navy shall des-  
12 ignate, in writing, a Senior Technical Authority for  
13 each class of naval vessels as follows:

14 “(A) In the case of a class of vessels which  
15 has received Milestone A approval, an approval  
16 to enter into technology maturation and risk re-  
17 duction, or an approval to enter into a subse-  
18 quent Department of Defense or Department of  
19 the Navy acquisition phase as of the date of the  
20 enactment of the National Defense Authoriza-  
21 tion Act for Fiscal Year 2020, not later than  
22 30 days after such date of enactment.

23 “(B) In the case of any class of vessels  
24 which has not received any approval described  
25 in subparagraph (A) as of such date of enact-  
26 ment, at or before the first of such approvals.

1           “(2) PROHIBITION ON DELEGATION.—The Sec-  
2           retary may not delegate designations under para-  
3           graph (1).

4           “(3) INDIVIDUALS ELIGIBLE FOR DESIGNA-  
5           TION.—Each individual designated as a Senior  
6           Technical Authority under paragraph (1) shall be an  
7           employee of the Navy in the Senior Executive Serv-  
8           ice in an organization of the Navy that—

9                   “(A) possesses the technical expertise re-  
10                  quired to carry out the responsibilities specified  
11                  in subsection (b); and

12                   “(B) operates independently of chains-of-  
13                  command for acquisition program management.

14           “(4) TERM.—Each Senior Technical Authority  
15           shall be designated for a term, not fewer than six  
16           years, specified by the Secretary at the time of des-  
17           ignation.

18           “(5) REMOVAL.—An individual may be removed  
19           involuntarily from designation as a Senior Technical  
20           Authority only by the Secretary. Not later than 15  
21           days after the involuntary removal of an individual  
22           from designation as a Senior Technical Authority,  
23           the Secretary shall notify, in writing, the congres-  
24           sional defense committees of the removal, including  
25           the reasons for the removal.

1       “(b) RESPONSIBILITIES AND AUTHORITY.—Each  
2 Senior Technical Authority shall be responsible for, and  
3 have the authority to, establish, monitor, and approve  
4 technical standards, tools, and processes for the class of  
5 naval vessels for which designated under this section in  
6 conformance with applicable Department of Defense and  
7 Department of the Navy policies, requirements, architec-  
8 tures, and standards.

9       “(c) LIMITATION ON OBLIGATION OF FUNDS ON  
10 LEAD VESSEL IN VESSEL CLASS.—

11           “(1) IN GENERAL.—On or after October 1,  
12 2020, funds authorized to be appropriated for Ship-  
13 building and Conversion, Navy or Other Procure-  
14 ment, Navy may not be obligated for the first time  
15 on the lead vessel in a class of naval vessels unless  
16 the Secretary of the Navy certifies as described in  
17 paragraph (2).

18           “(2) CERTIFICATION ELEMENTS.—The certifi-  
19 cation on a class of naval vessels described in this  
20 paragraph is a certification containing each of the  
21 following:

22           “(A) The name of the individual des-  
23 igned as the Senior Technical Authority for  
24 such class of vessels, and the qualifications and

1 professional biography of the individual so des-  
2 ignated.

3 “(B) A description by the Senior Technical  
4 Authority of the systems engineering, tech-  
5 nology, and ship integration risks for such class  
6 of vessels.

7 “(C) The designation by the Senior Tech-  
8 nical Authority of each critical hull, mechanical,  
9 electrical, propulsion, and combat system of  
10 such class of vessels, including systems relating  
11 to power generation, power distribution, and  
12 key operational mission areas.

13 “(D) The date on which the Senior Tech-  
14 nical Authority approved the systems engineer-  
15 ing, engineering development, and land-based  
16 engineering and testing plans for such class of  
17 vessels.

18 “(E) A description by the Senior Technical  
19 Authority of the key technical knowledge objec-  
20 tives and demonstrated system performance of  
21 each plan approved as described in subpara-  
22 graph (D).

23 “(F) A determination by the Senior Tech-  
24 nical Authority that such plans are sufficient to  
25 achieve thorough technical knowledge of critical

1 systems of such class of vessels before the start  
2 of detail design and construction.

3 “(G) A determination by the Senior Tech-  
4 nical Authority that actual execution of activi-  
5 ties in support of such plans as of the date of  
6 the certification have been and continue to be  
7 effective and supportive of the acquisition  
8 schedule for such class of vessels.

9 “(H) A description by the Senior Technical  
10 Authority of other technology maturation and  
11 risk reduction efforts not included in such plans  
12 for such class of vessels taken as of the date of  
13 the certification.

14 “(I) A certification by the Senior Technical  
15 Authority that each critical system covered by  
16 subparagraph (C) has been demonstrated  
17 through testing of a prototype or identical com-  
18 ponent in its final form, fit, and function in a  
19 realistic environment.

20 “(J) A determination by the Secretary that  
21 the plans approved as described in subpara-  
22 graph (D) are fully funded and will be fully  
23 funded in the future-years defense program for  
24 the fiscal year beginning in the year in which  
25 the certification is submitted.

1           “(K) A determination by the Secretary  
2           that the Senior Technical Authority will ap-  
3           prove, in writing, the ship specification for such  
4           class of vessels before the request for proposals  
5           for detail design, construction, or both, as ap-  
6           plicable, is released.

7           “(3) DEADLINE FOR SUBMITTAL OF CERTIFI-  
8           CATION.—The certification required by this sub-  
9           section with respect to a class of naval vessels shall  
10          be submitted, in writing, to the congressional de-  
11          fense committees not fewer than 30 days before the  
12          Secretary obligates for the first time funds author-  
13          ized to be appropriated for Shipbuilding and Conver-  
14          sion, Navy or Other Procurement, Navy for the lead  
15          vessel in such class of naval vessels.

16          “(d) DEFINITIONS.—In this section:

17                 “(1) The term ‘class of naval vessels’—

18                         “(A) means any group of similar undersea  
19                         or surface craft procured with Shipbuilding and  
20                         Conversion, Navy or Other Procurement, Navy  
21                         funds, including manned, unmanned, and op-  
22                         tionally-manned craft; and

23                         “(B) includes—

1                   “(i) a substantially new class of craft  
2                   (including craft procured using ‘new start’  
3                   procurement); and

4                   “(ii) a class of craft undergoing a sig-  
5                   nificant incremental change in its existing  
6                   class (such as a next ‘flight’ of destroyers  
7                   or next ‘block’ of attack submarines).

8                   “(2) The term ‘future-years defense program’  
9                   has the meaning given that term in section 221 of  
10                  this title.

11                  “(3) The term ‘Milestone A approval’ has the  
12                  meaning given that term in section 2431a of this  
13                  title.”

14                  (b) CLERICAL AMENDMENT.—The table of sections  
15                  at the beginning of chapter 863 of such title is amended  
16                  by inserting after the item relating to section 8669a the  
17                  following new item:

                  “8669b. Senior Technical Authority for each naval vessel class.”.

18   **SEC. 1018. PERMANENT AUTHORITY FOR SUSTAINING**  
19                                   **OPERATIONAL READINESS OF LITTORAL**  
20                                   **COMBAT SHIPS ON EXTENDED DEPLOYMENT.**

21                  Section 8680(a)(2) of title 10, United States Code,  
22                  is amended by striking subparagraph (D).

1       **Subtitle D—Counterterrorism**

2       **SEC. 1021. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
3                   **FOR TRANSFER OR RELEASE OF INDIVID-**  
4                   **UALS DETAINED AT UNITED STATES NAVAL**  
5                   **STATION, GUANTANAMO BAY, CUBA, TO THE**  
6                   **UNITED STATES.**

7       Section 1033 of the John S. McCain National De-  
8       fense Authorization Act for Fiscal Year 2019 (Public Law  
9       115–232) is amended by striking “December 31, 2019”  
10      and inserting “December 31, 2020”.

11      **SEC. 1022. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
12                   **TO CONSTRUCT OR MODIFY FACILITIES IN**  
13                   **THE UNITED STATES TO HOUSE DETAINEES**  
14                   **TRANSFERRED FROM UNITED STATES NAVAL**  
15                   **STATION, GUANTANAMO BAY, CUBA.**

16      Section 1034(a) of the John S. McCain National De-  
17      fense Authorization Act for Fiscal Year 2019 (Public Law  
18      115–232) is amended by striking “December 31, 2019”  
19      and inserting “December 31, 2020”.

1 **SEC. 1023. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
2 **FOR TRANSFER OR RELEASE OF INDIVID-**  
3 **UALS DETAINED AT UNITED STATES NAVAL**  
4 **STATION, GUANTANAMO BAY, CUBA, TO CER-**  
5 **TAIN COUNTRIES.**

6 Section 1035 of the John S. McCain National De-  
7 fense Authorization Act for Fiscal Year 2018 (Public Law  
8 115–232) is amended by striking “December 31, 2019”  
9 and inserting “December 31, 2020”.

10 **SEC. 1024. EXTENSION OF PROHIBITION ON USE OF FUNDS**  
11 **TO CLOSE OR RELINQUISH CONTROL OF**  
12 **UNITED STATES NAVAL STATION, GUANTA-**  
13 **NAMO BAY, CUBA.**

14 Section 1036 of the National Defense Authorization  
15 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
16 1551), as amended by section 1032 of the John S. McCain  
17 National Defense Authorization Act for Fiscal Year 2019  
18 (Public Law 115–232), is further amended by striking “or  
19 2019” and inserting “, 2019, or 2020”.

20 **SEC. 1025. AUTHORITY TO TRANSFER INDIVIDUALS DE-**  
21 **TAINED AT UNITED STATES NAVAL STATION,**  
22 **GUANTANAMO BAY, CUBA, TO THE UNITED**  
23 **STATES TEMPORARILY FOR EMERGENCY OR**  
24 **CRITICAL MEDICAL TREATMENT.**

25 (a) TEMPORARY TRANSFER FOR MEDICAL TREAT-  
26 MENT.—Notwithstanding section 1033 of the John S.

1 McCain National Defense Authorization Act for Fiscal  
2 Year 2019 (Public Law 115–232), or any similar provision  
3 of law enacted after September 30, 2015, the Secretary  
4 of Defense may, after consultation with the Secretary of  
5 Homeland Security, temporarily transfer an individual de-  
6 tained at Guantanamo to a Department of Defense med-  
7 ical facility in the United States for the sole purpose of  
8 providing the individual medical treatment if the Secretary  
9 of Defense determines that—

10           (1) the medical treatment of the individual is  
11           necessary to prevent death or imminent significant  
12           injury or harm to the health of the individual;

13           (2) the necessary medical treatment is not  
14           available to be provided at United States Naval Sta-  
15           tion, Guantanamo Bay, Cuba, without incurring ex-  
16           cessive and unreasonable costs; and

17           (3) the Department of Defense has provided for  
18           appropriate security measures for the custody and  
19           control of the individual during any period in which  
20           the individual is temporarily in the United States  
21           under this section.

22           (b) **LIMITATION ON EXERCISE OF AUTHORITY.**—The  
23           authority of the Secretary of Defense under subsection (a)  
24           may be exercised only by the Secretary of Defense or an-

1 other official of the Department of Defense at the level  
2 of Under Secretary of Defense or higher.

3 (c) CONDITIONS OF TRANSFER.—An individual who  
4 is temporarily transferred under the authority in sub-  
5 section (a) shall—

6 (1) while in the United States, remain in the  
7 custody and control of the Secretary of Defense at  
8 all times; and

9 (2) be returned to United States Naval Station,  
10 Guantanamo Bay, Cuba, as soon as feasible after a  
11 Department of Defense physician determines, in con-  
12 sultation with the Commander, Joint Task Force-  
13 Guantanamo Bay, Cuba, that any necessary follow-  
14 up medical care may reasonably be provided the in-  
15 dividual at United States Naval Station, Guanta-  
16 namo Bay.

17 (d) STATUS WHILE IN UNITED STATES.—An indi-  
18 vidual who is temporarily transferred under the authority  
19 in subsection (a), while in the United States—

20 (1) shall be deemed at all times and in all re-  
21 spects to be in the uninterrupted custody of the Sec-  
22 retary of Defense, as though the individual remained  
23 physically at United States Naval Station, Guanta-  
24 namo Bay, Cuba;

1           (2) shall not at any time be subject to, and may  
2           not apply for or obtain, or be deemed to enjoy, any  
3           right, privilege, status, benefit, or eligibility for any  
4           benefit under any provision of the immigration laws  
5           (as defined in section 101(a)(17) of the Immigration  
6           and Nationality Act (8 U.S.C. 1101(a)(17)), or any  
7           other law or regulation;

8           (3) shall not be permitted to avail himself of  
9           any right, privilege, or benefit of any law of the  
10          United States beyond those available to individuals  
11          detained at United States Naval Station, Guanta-  
12          namo Bay; and

13          (4) shall not, as a result of such transfer, have  
14          a change in any designation that may have attached  
15          to that detainee while detained at United States  
16          Naval Station, Guantanamo Bay, pursuant to the  
17          Authorization for Use of Military Force (Public Law  
18          107–40), as determined in accordance with applica-  
19          ble law and regulations.

20          (e) NO CAUSE OF ACTION.—Any decision to transfer  
21          or not to transfer an individual made under the authority  
22          in subsection (a) shall not give rise to any claim or cause  
23          of action.

24          (f) LIMITATION ON JUDICIAL REVIEW.—

1           (1) LIMITATION.—Except as provided in para-  
2           graph (2), no court, justice, or judge shall have ju-  
3           risdiction to hear or consider any claim or action  
4           against the United States or its departments, agen-  
5           cies, officers, employees, or agents arising from or  
6           relating to any aspect of the detention, transfer,  
7           treatment, or conditions of confinement of an indi-  
8           vidual transferred under this section.

9           (2) EXCEPTION FOR HABEAS CORPUS.—The  
10          United States District Court for the District of Co-  
11          lumbia shall have exclusive jurisdiction to consider  
12          an application for writ of habeas corpus seeking re-  
13          lease from custody filed by or on behalf of an indi-  
14          vidual who is in the United States pursuant to a  
15          temporary transfer under the authority in subsection  
16          (a). Such jurisdiction shall be limited to that re-  
17          quired by the Constitution, and relief shall be only  
18          as provided in paragraph (3). In such a proceeding  
19          the court may not review, halt, or stay the return of  
20          the individual who is the object of the application to  
21          United States Naval Station, Guantanamo Bay,  
22          Cuba, pursuant to subsection (c).

23          (3) RELIEF.—A court order in a proceeding  
24          covered by paragraph (2)—

1 (A) may not order the release of the indi-  
2 vidual within the United States; and

3 (B) shall be limited to an order of release  
4 from custody which, when final, the Secretary  
5 of Defense shall implement in accordance with  
6 section 1034 of the National Defense Author-  
7 ization Act for Fiscal Year 2016 (10 U.S.C.  
8 801 note).

9 (g) NOTIFICATION.—Whenever a temporary transfer  
10 of an individual detained at Guantanamo is made under  
11 the authority of subsection (a), the Secretary of Defense  
12 shall notify the Committees on Armed Services of the Sen-  
13 ate and the House of Representatives of the transfer not  
14 later than five days after the date on which the transfer  
15 is made.

16 (h) INDIVIDUAL DETAINED AT GUANTANAMO DE-  
17 FINED.—In this section, the term “individual detained at  
18 Guantanamo” means an individual located at United  
19 States Naval Station, Guantanamo Bay, Cuba, as of Octo-  
20 ber 1, 2009, who—

21 (1) is not a national of the United States (as  
22 defined in section 101(a)(22) of the Immigration  
23 and Nationality Act (8 U.S.C. 1101(a)(22)) or a  
24 member of the Armed Forces of the United States;  
25 and

1 (2) is—

2 (A) in the custody or under the control of  
3 the Department of Defense; or

4 (B) otherwise detained at United States  
5 Naval Station, Guantanamo Bay.

6 (i) APPLICABILITY.—This section shall apply to an  
7 individual temporarily transferred under the authority in  
8 subsection (a) regardless of the status of any pending or  
9 completed proceeding or detention on the date of the en-  
10 actment of this Act.

11 **SEC. 1026. CHIEF MEDICAL OFFICER AT UNITED STATES**  
12 **NAVAL STATION, GUANTANAMO BAY, CUBA.**

13 (a) CHIEF MEDICAL OFFICER.—

14 (1) IN GENERAL.—There shall be at United  
15 States Naval Station, Guantanamo Bay, Cuba, a  
16 Chief Medical Officer of United States Naval Sta-  
17 tion, Guantanamo Bay (in this section referred to as  
18 the “Chief Medical Officer”).

19 (2) GRADE.—The individual serving as Chief  
20 Medical Officer shall be an officer of the Armed  
21 Forces who holds a grade not below the grade of  
22 colonel, or captain in the Navy.

23 (3) CHAIN OF COMMAND.—The Chief Medical  
24 Officer shall report to the Assistant Secretary of De-  
25 fense for Health Affairs in the performance of duties

1 and the exercise of powers of the Chief Medical Offi-  
2 cer under this section.

3 (b) DUTIES.—

4 (1) IN GENERAL.—The Chief Medical Officer  
5 shall oversee the provision of medical care to individ-  
6 uals detained at Guantanamo.

7 (2) QUALITY OF CARE.—The Chief Medical Of-  
8 ficer shall ensure that medical care provided as de-  
9 scribed in paragraph (1) meets applicable standards  
10 of care.

11 (c) POWERS.—

12 (1) IN GENERAL.—The Chief Medical Officer  
13 shall make medical determinations relating to med-  
14 ical care for individuals detained at Guantanamo, in-  
15 cluding—

16 (A) decisions regarding assessment, diag-  
17 nosis, and treatment; and

18 (B) determinations concerning medical ac-  
19 commodations to living conditions and oper-  
20 ating procedures for detention facilities.

21 (2) RESOLUTION OF DECLINATION TO FOLLOW  
22 DETERMINATIONS.—If the commander of Joint Task  
23 Force Guantanamo declines to follow a determina-  
24 tion of the Chief Medical Officer under paragraph  
25 (1), the matter covered by such determination shall

1 be jointly resolved by the Assistant Secretary of De-  
2 fense for Special Operations and Low Intensity Con-  
3 flict and the Assistant Secretary of Defense for  
4 Health Affairs not later than seven days after re-  
5 ceipt of notification of the matter by either Assistant  
6 Secretary.

7 (3) SECURITY CLEARANCES.—The appropriate  
8 departments or agencies of the Federal Government  
9 shall, to the extent practicable in accordance with  
10 existing procedures and requirements, process expe-  
11 ditiously any application and adjudication for a secu-  
12 rity clearance required by the Chief Medical Officer  
13 to carry out the Chief Medical Officer’s duties and  
14 powers under this section.

15 (d) ACCESS TO INDIVIDUALS, INFORMATION, AND  
16 ASSISTANCE.—

17 (1) IN GENERAL.—The Chief Medical Officer  
18 may secure directly from the Department of Defense  
19 access to any individual, information, or assistance  
20 that the Chief Medical Officer considers necessary to  
21 enable the Chief Medical Officer to carry out this  
22 section, including full access to the following:

23 (A) Any individual detained at Guanta-  
24 namo.

1 (B) Any medical records of any individual  
2 detained at Guantanamo.

3 (C) Medical professionals of the Depart-  
4 ment who are working, or have worked, at  
5 United States Naval Station, Guantanamo Bay.

6 (2) ACCESS UPON REQUEST.—Upon request of  
7 the Chief Medical Officer, the Department shall  
8 make available to the Chief Medical Officer on an  
9 expeditious basis access to individuals, information,  
10 and assistance as described in paragraph (1).

11 (3) LACK OF EXPEDITIOUS AVAILABILITY.—If  
12 access to individuals, information, or assistance is  
13 not made available to the Chief Medical Officer upon  
14 request on an expeditious basis as required by para-  
15 graph (2), the Chief Medical Officer shall notify the  
16 Assistant Secretary of Defense for Health Affairs,  
17 who shall take actions to resolve the matter expedi-  
18 tiously.

19 (e) DEFINITIONS.—In this section:

20 (1) INDIVIDUAL DETAINED AT GUANTANAMO  
21 DEFINED.—The term “individual detained at Guan-  
22 tanamo” means an individual located at United  
23 States Naval Station, Guantanamo Bay, Cuba, as of  
24 October 1, 2009, who—

1 (A) is not a national of the United States  
2 (as defined in section 101(a)(22) of the Immi-  
3 gration and Nationality Act (8 U.S.C.  
4 1101(a)(22)) or a member of the Armed Forces  
5 of the United States; and

6 (B) is—

7 (i) in the custody or under the control  
8 of the Department of Defense; or

9 (ii) otherwise detained at United  
10 States Naval Station, Guantanamo Bay.

11 (2) MEDICAL CARE.—The term “medical care”  
12 means physical and mental health care.

13 (3) STANDARD OF CARE.—The term “standard  
14 of care” means evaluation and treatment that is ac-  
15 cepted by medical experts and reflected in peer-re-  
16 viewed medical literature as the appropriate medical  
17 approach for a condition, symptoms, illness, or dis-  
18 ease and that is widely used by healthcare profes-  
19 sionals.

1                   **Subtitle E—Miscellaneous**  
 2                   **Authorities and Limitations**

3 **SEC. 1031. CLARIFICATION OF AUTHORITY OF MILITARY**  
 4                   **COMMISSIONS UNDER CHAPTER 47A OF**  
 5                   **TITLE 10, UNITED STATES CODE, TO PUNISH**  
 6                   **CONTEMPT.**

7           (a) CLARIFICATION.—

8                   (1) IN GENERAL.—Subchapter IV of chapter  
 9           47A of title 10, United States Code, is amended by  
 10           adding at the end the following new section:

11 **“§ 949o-1. Contempt**

12           “(a) AUTHORITY TO PUNISH.—(1) With respect to  
 13           any proceeding under this chapter, a judicial officer speci-  
 14           fied in paragraph (2) may punish for contempt any person  
 15           who—

16                   “(A) uses any menacing word, sign, or gesture  
 17           in the presence of the judicial officer during the pro-  
 18           ceeding;

19                   “(B) disturbs the proceeding by any riot or dis-  
 20           order; or

21                   “(C) willfully disobeys a lawful writ, process,  
 22           order, rule, decree, or command issued with respect  
 23           to the proceeding.

24           “(2) A judicial officer referred to in paragraph (1)  
 25           is any of the following:

1           “(A) Any judge of the United States Court of  
2 Military Commission Review.

3           “(B) Any military judge detailed to a military  
4 commission or any other proceeding under this chap-  
5 ter.

6           “(b) PUNISHMENT.—The punishment for contempt  
7 under subsection (a) may not exceed confinement for 30  
8 days, a fine of \$1,000, or both.

9           “(c) REVIEW.—(1) A punishment under this sec-  
10 tion—

11           “(A) is not reviewable by the convening author-  
12 ity of a military commission under this chapter;

13           “(B) if imposed by a military judge, shall con-  
14 stitute a judgment, subject to review in the first in-  
15 stance only by the United States Court of Military  
16 Commission Review and then only by the United  
17 States Court of Appeals for the District of Columbia  
18 Circuit; and

19           “(C) if imposed by a judge of the United States  
20 Court of Military Commission Review, shall con-  
21 stitute a judgment of the court subject to review  
22 only by the United States Court of Appeals for the  
23 District of Columbia Circuit.

24           “(2) In reviewing a punishment for contempt imposed  
25 under this section, the reviewing court shall affirm such

1 punishment unless the court finds that imposing such pun-  
2 ishment was an abuse of the discretion of the judicial offi-  
3 cer who imposed such punishment.

4 “(3) A petition for review of punishment for contempt  
5 imposed under this section shall be filed not later than  
6 60 days after the date on which the authenticated record  
7 upon which the contempt punishment is based and any  
8 contempt proceedings conducted by the judicial officer are  
9 served on the person punished for contempt.

10 “(d) PUNISHMENT NOT CONVICTION.—Punishment  
11 for contempt is not a conviction or sentence within the  
12 meaning of section 949m of this title. The imposition of  
13 punishment for contempt is not governed by other provi-  
14 sions of this chapter applicable to military commissions,  
15 except that the Secretary of Defense may prescribe proce-  
16 dures for contempt proceedings and punishments, pursu-  
17 ant to the authority provided in section 949a of this  
18 title.”.

19 (2) CLERICAL AMENDMENT.—The table of sec-  
20 tions at the beginning of subchapter IV of such  
21 chapter is amended by adding at the end the fol-  
22 lowing new item:

“949o–1. Contempt.”.

23 (b) CONFORMING AMENDMENTS.—Section 950t of  
24 title 10, United States Code, is amended—

25 (1) by striking paragraph (31); and

1           (2) by redesignating paragraph (32) as para-  
2           graph (31).

3           (c) **RULE OF CONSTRUCTION.**—The amendments  
4 made by subsections (a) and (b) shall not be construed  
5 to affect the lawfulness of any punishment for contempt  
6 adjudged prior to the effective date of such amendments.

7           (d) **APPLICABILITY.**—The amendments made by sub-  
8 sections (a) and (b) shall take effect on the date of the  
9 enactment of this Act, and shall apply with respect to con-  
10 duct by a person that occurs on or after such date.

11 **SEC. 1032. COMPREHENSIVE DEPARTMENT OF DEFENSE**  
12 **POLICY ON COLLECTIVE SELF-DEFENSE.**

13           (a) **COMPREHENSIVE POLICY REQUIRED.**—The Sec-  
14 retary of Defense shall prescribe a comprehensive written  
15 policy for the Department of Defense on the issuance of  
16 authorization for, and the provision by members and units  
17 of the United States Armed Forces of, collective self-de-  
18 fense to designated foreign nationals, their facilities, and  
19 their property.

20           (b) **ELEMENTS.**—The policy required by subsection  
21 (a) shall address the following:

22           (1) Each basis under domestic and inter-  
23 national law pursuant to which a member or unit of  
24 the United States Armed Forces has been or may be  
25 authorized to provide collective self-defense to des-

1       ignated foreign nationals, their facilities, or their  
2       property under each circumstance as follows:

3               (A) Inside an area of active hostilities, or  
4               in a country or territory in which United States  
5               forces are authorized to conduct or support di-  
6               rect action operations.

7               (B) Outside an area of active hostilities, or  
8               in a country or territory in which United States  
9               forces are not authorized to conduct direct ac-  
10              tion military operations.

11              (C) When United States personnel, facili-  
12              ties, or equipment are not threatened, including  
13              both as described in subparagraph (A) and as  
14              described in subparagraph (B).

15              (D) When members of the United States  
16              Armed Forces are not participating in a mili-  
17              tary operation as part of an international coali-  
18              tion.

19              (E) Any other circumstance not encom-  
20              passed by subparagraphs (A) through (D) in  
21              which a member or unit of the United States  
22              Armed Forces has been or may be authorized to  
23              provide such collective self-defense.

24              (2) A list and explanation of any limitations im-  
25              posed by law or policy on the provision of collective

1 self-defense to designated foreign nationals, their fa-  
2 cilities, and their property under any of the bases in  
3 domestic or international law in the circumstances  
4 enumerated in paragraph (1), and the conditions  
5 under which any such limitation applies.

6 (3) The procedure by which a proposal that any  
7 member or unit of the United States Armed Forces  
8 provide collective self-defense in support of des-  
9 ignated foreign nationals, their facilities, and their  
10 property is to be submitted, processed, and endorsed  
11 through offices, officers, and officials of the Depart-  
12 ment to the applicable approval authority for final  
13 decision, and a list of any information, advice, or  
14 opinion to be included with such proposal in order  
15 to inform appropriate action on such proposal by  
16 such approval authority.

17 (4) The title and duty position of any officers  
18 and officials of the Department empowered to render  
19 a final decision on a proposal described in paragraph  
20 (3), and the conditions applicable to, and limitations  
21 on, the exercise of such decisionmaking authority by  
22 each such officer or official.

23 (5) A description of the Rules of Engagement  
24 applicable to the provision of collective self-defense  
25 to designated foreign nationals, their facilities, and

1 their property under any of the bases in domestic or  
2 international law in the circumstances enumerated  
3 in paragraph (1), and the conditions under which  
4 any such Rules of Engagement would be modified.

5 (6) A description of the process through which  
6 policy guidance pertaining to the authorization for,  
7 and the provision by members of the United States  
8 Armed Forces of, collective self-defense to des-  
9 ignated foreign nationals, their facilities, and their  
10 property is to be disseminated to the level of tactical  
11 execution.

12 (7) Such other matters as the Secretary con-  
13 siders appropriate.

14 (c) REPORT ON POLICY.—

15 (1) IN GENERAL.—Not later than 60 days after  
16 the date of the enactment of this Act, the Secretary  
17 shall submit to the congressional defense committees  
18 a report setting forth the policy required by sub-  
19 section (a).

20 (2) DOD GENERAL COUNSEL STATEMENT.—  
21 The Secretary shall include in the report under  
22 paragraph (1) a statement by the General Counsel  
23 of the Department of Defense as to whether the pol-  
24 icy prescribed pursuant to subsection (a) is con-  
25 sistent with domestic and international law.

1           (3) FORM.—The report required by paragraph  
2           (1) may be submitted in classified form.

3           (d) BRIEFING ON POLICY.—Not later than 30 days  
4 after the date of the submittal of the report required by  
5 subsection (c), the Secretary shall provide the congres-  
6 sional defense committees a classified briefing on the pol-  
7 icy prescribed pursuant to subsection (a). The briefing  
8 shall make use of vignettes designated to illustrate real  
9 world application of the policy in each the circumstances  
10 enumerated in subsection (b)(1).

11 **SEC. 1033. OVERSIGHT OF DEPARTMENT OF DEFENSE EXE-**  
12 **CUTE ORDERS.**

13           (a) REVIEW OF EXECUTE ORDERS.—Upon a written  
14 request by the Chairman or Ranking Member of a con-  
15 gressional defense committee, the Secretary of Defense  
16 shall provide the committee, including appropriately des-  
17 igned staff of the committee, with an execute order ap-  
18 proved by the Secretary or the commander of a combatant  
19 command for review within 30 days of receiving the writ-  
20 ten request.

21           (b) EXCEPTION.—

22           (1) IN GENERAL.—In extraordinary cir-  
23 cumstances necessary to protect operations security,  
24 the sensitivity of the execute order, or other appro-

1        appropriate considerations, the Secretary may limit review  
2        of an execute order.

3            (2) SUMMARY AND OTHER INFORMATION.—In  
4        extraordinary circumstances described in paragraph  
5        (1) with respect to an execute order, the Secretary  
6        shall provide the committee concerned, including ap-  
7        propriately designated staff of the committee, a de-  
8        tailed summary of the execute order and other infor-  
9        mation necessary for the conduct of the oversight  
10       duties of the committee within 30 days of receiving  
11       the written request under subsection (a).

12 **SEC. 1034. PROHIBITION ON OWNERSHIP OR TRADING OF**  
13            **STOCKS IN CERTAIN COMPANIES BY DEPART-**  
14            **MENT OF DEFENSE OFFICERS AND EMPLOY-**  
15            **EES.**

16        (a) PROHIBITION ON OWNERSHIP AND TRADING BY  
17        CERTAIN SENIOR OFFICIALS.—

18            (1) PROHIBITION.—An official of the Depart-  
19        ment of Defense described in paragraph (2) may not  
20        own or trade a publicly traded stock of a company  
21        if, during the preceding calendar year, the company  
22        received more than \$1,000,000,000 in revenue from  
23        the Department of Defense, including through one  
24        or more contracts with the Department.

1           (2) DEPARTMENT OF DEFENSE OFFICIALS.—

2           An official of the Department of Defense described  
3           in this paragraph is any current Department of De-  
4           fense official described by section 847(c) of the Na-  
5           tional Defense Authorization Act for Fiscal Year  
6           2008 (10 U.S.C. 1701 note).

7           (3) ADMINISTRATIVE ACTIONS.—In the event  
8           that an official of the Department of Defense de-  
9           scribed in subsection (a) knowingly fails to comply  
10          with the requirements of this subsection, the Sec-  
11          retary of Defense may take administrative action  
12          against the official, including suspension or termi-  
13          nation, in accordance with the procedures otherwise  
14          applicable to administrative actions against such of-  
15          ficials.

16          (b) PROHIBITION ON OWNERSHIP AND TRADING BY  
17          ALL OFFICERS AND EMPLOYEES.—An officer or employee  
18          of the Department of Defense may not own or trade a  
19          publicly traded stock of a company that is a contractor  
20          or subcontractor of the Department if the Office of Stand-  
21          ards and Compliance of the Office of the General Counsel  
22          of the Department of Defense determines that the value  
23          of the stock may be directly or indirectly influenced by  
24          any official action of the officer or employee for the De-  
25          partment.

1 (c) INAPPLICABILITY TO MUTUAL FUNDS.—For pur-  
2 poses of this section, publically-traded stock does not in-  
3 clude a widely-held investment fund described in section  
4 102(f)(8) of the Ethics in Government Act of 1978 (5  
5 U.S.C. App.).

6 **SEC. 1035. POLICY REGARDING THE TRANSITION OF DATA**  
7 **AND APPLICATIONS TO THE CLOUD.**

8 (a) POLICY REQUIRED.—Not later than 180 days  
9 after the date of the enactment of this Act, the Chief In-  
10 formation Officer of the Department of Defense and the  
11 Chief Data Officer of the Department shall, in consulta-  
12 tion with the J6 of the Joint Staff and the Chief Manage-  
13 ment Officer, develop and issue enterprise-wide policy and  
14 implementing instructions regarding the transition of data  
15 and applications to the cloud under the Department cloud  
16 strategy in accordance with subsection (b).

17 (b) DESIGN.—The policy required by subsection (a)  
18 shall be designed to dramatically improve support to oper-  
19 ational missions and management processes, including by  
20 the use of artificial intelligence and machine learning tech-  
21 nologies, by—

22 (1) making the data of the Department avail-  
23 able to support new types of analyses;

24 (2) preventing, to the maximum extent prac-  
25 ticable, the replication in the cloud of data stores

1 that cannot readily be accessed by applications for  
2 which the data stores were not originally engineered;

3 (3) ensuring that data sets can be readily dis-  
4 covered and combined with others to enable new in-  
5 sights and capabilities; and

6 (4) ensuring that data and applications are  
7 readily portable and not tightly coupled to a specific  
8 cloud infrastructure or platform.

9 **SEC. 1036. MODERNIZATION OF INSPECTION AUTHORITIES**

10 **APPLICABLE TO THE NATIONAL GUARD AND**  
11 **EXTENSION OF INSPECTION AUTHORITY TO**  
12 **THE CHIEF OF THE NATIONAL GUARD BU-**  
13 **REAU.**

14 (a) MODERNIZATION OF INSPECTION AUTHORITIES  
15 OF SECRETARIES OF THE ARMY AND AIR FORCE.—Sub-  
16 section (a) of section 105 of title 32, United States Code,  
17 is amended—

18 (1) in the matter preceding paragraph (1)—

19 (A) by striking “by him, the Secretary of  
20 the Army shall have” and inserting “by such  
21 Secretary, the Secretary of the Army and the  
22 Secretary of the Air Force shall each have”;

23 (B) by striking “, if necessary,”; and

1           (C) by striking “the Regular Army” and  
2           inserting “the Regular Army or the Regular Air  
3           Force”;

4           (2) by striking “Army National Guard” each  
5           place it appears and inserting “Army National  
6           Guard or Air National Guard”; and

7           (3) by striking the flush matter following para-  
8           graph (7).

9           (b) INSPECTION AUTHORITY OF CHIEF OF THE NA-  
10          TIONAL GUARD BUREAU.—Such section is further amend-  
11          ed by adding at the end the following new subsection:

12          “(c) Under regulations prescribed by the Chief of the  
13          National Guard Bureau, the Chief of the National Guard  
14          Bureau may have an inspection made by inspectors gen-  
15          eral, or by commissioned officers of the Army National  
16          Guard of the United States or the Air National Guard  
17          of the United States detailed for that purpose, in order  
18          to determine the following:

19                 “(1) Whether the units and members of the  
20          Army National Guard comply with Federal law and  
21          policy applicable to the National Guard, including  
22          policies issued by the Department of Defense, the  
23          Department of the Army, and the National Guard  
24          Bureau.

1           “(2) Whether the units and members of the Air  
2           National Guard comply with Federal law and policy  
3           applicable to the National Guard, including policies  
4           issued by the Department of Defense, the Depart-  
5           ment of the Air Force, and the National Guard Bu-  
6           reau.”.

7 **SEC. 1037. ENHANCEMENT OF AUTHORITIES ON FOR-**  
8                                   **FEITURE OF FEDERAL BENEFITS BY THE NA-**  
9                                   **TIONAL GUARD.**

10           (a) IN GENERAL.—The text of section 108 of title  
11 32, United States Code, is amended to read as follows:

12           “(a) AVAILABILITY OF FUNDS CONTINGENT ON COM-  
13 PLIANCE WITH FEDERAL LAW AND POLICY.—The avail-  
14 ability of Federal funds provided to the National Guard  
15 of individual States is contingent upon compliance with  
16 Federal law and policy applicable to the National Guard.

17           “(b) BAR OF STATES FOR FAILURE TO COMPLY.—  
18 If, within a time fixed by the President, a State fails to  
19 comply with Federal law or policy applicable to the Na-  
20 tional Guard, a requirement of this title, or a regulation  
21 prescribed under this title, the National Guard of that  
22 State is barred, in whole or in part (as the President may  
23 prescribe), from receiving such money or other aid, ben-  
24 efit, or privilege authorized by law with respect to the Na-  
25 tional Guard of that State as the President may prescribe.

1       “(c) BAR OR WITHDRAWAL OF RECOGNITION OF OF-  
2       FICERS FOR FAILURE TO COMPLY.—If, within a time  
3       fixed by the President, an officer of the National Guard  
4       fails to comply with Federal law or policy applicable to  
5       the National Guard, the President may bar the officer  
6       from receiving Federal funds, or withdraw the officer’s  
7       Federal recognition under section 323 of this title.

8       “(d) BAR OR WITHDRAWAL OF RECOGNITION OF  
9       UNITS FOR FAILURE TO COMPLY.—If, within a time fixed  
10      by the President, a unit of the National Guard fails to  
11      comply with Federal law or policy applicable to the Na-  
12      tional Guard, the President may bar the unit from receiv-  
13      ing Federal funds, or withdraw the unit’s Federal recogni-  
14      tion.

15      “(e) ADVANCE NOTICE TO CONGRESS ON FINAL AC-  
16      TIONS.—Before taking a final action under subsection (c)  
17      or (d), President shall notify the Committees on Armed  
18      Services of the Senate and the House of Representatives  
19      of such final action.

20      “(f) LIMITATION ON DELEGATION OF FINAL AC-  
21      TIONS.—The President may not delegate the authority to  
22      take a final action under subsection (c) or (d) to any offi-  
23      cial other than the Secretary of Defense.”.

24      (b) EFFECTIVE DATE.—The amendment made by  
25      subsection (a) shall take effect on October 1, 2019, and

1 shall apply with respect to amounts authorized to be ap-  
2 propriated for fiscal years that begin on or after that date.

3 **SEC. 1038. MODERNIZATION OF AUTHORITIES ON PROP-**  
4 **ERTY AND FISCAL OFFICERS OF THE NA-**  
5 **TIONAL GUARD.**

6 (a) PROPERTY AND FISCAL OFFICER FOR EACH  
7 STATE FROM NGB.—Section 708 of title 32, United  
8 States Code, is amended—

9 (1) by striking subsection (a) and inserting the  
10 following new subsection (a):

11 “(a) PROPERTY AND FISCAL OFFICER FOR EACH  
12 STATE.—(1) The Chief of the National Guard Bureau  
13 shall assign, designate, or detail, subject to the approval  
14 of the Secretary of the Army or the Secretary of the Air  
15 Force, as applicable, a qualified commissioned officer or-  
16 dered to active duty in the National Guard Bureau under  
17 section 12402(a) of title 10 to be the property and fiscal  
18 officer of each State, Territory, and the District of Colum-  
19 bia.

20 “(2)(A) An officer may not be assigned, designated,  
21 or detailed as the property and fiscal officer of a State,  
22 Territory, or the District of Columbia under paragraph  
23 (1) if the officer has served within such jurisdiction during  
24 the 36 months preceding such assignment, designation, or  
25 detail.

1       “(B) The Secretary of the Army or the Secretary of  
2 the Air Force may waive the applicability of subparagraph  
3 (A) to the assignment, designation, or detail of a par-  
4 ticular officer if such Secretary considers the waiver to  
5 be in the best interests of the State, Territory, or District  
6 of Columbia, as applicable, concerned.

7       “(3) An officer assigned, designated, or detailed as  
8 a property and fiscal officer under paragraph (1) shall,  
9 while so serving as such an officer, serve in a grade com-  
10 mensurate with the functions and responsibilities of the  
11 officer, but not above the grade of colonel.”; and

12               (2) by striking subsection (d).

13       (b) SUPPORT STAFF.—Such section is further  
14 amended—

15               (1) by redesignating subsections (b) and (c) as  
16 subsections (c) and (d), respectively; and

17               (2) by inserting after subsection (a), as amend-  
18 ed by subsection (a) of this section, the following  
19 new subsection (b):

20       “(b) SUPPORT STAFF.—The Chief of the National  
21 Guard Bureau shall assign, designate, or detail other per-  
22 sonnel of the National Guard Bureau to serve as the Fed-  
23 eral support staff for the property and fiscal officer for  
24 the National Guard of each State, Territory, or the Dis-  
25 trict of Columbia under subsection (a).”.

1           (c) RESPONSIBILITIES.—Subsection (c) of such sec-  
2 tion, as redesignated by subsection (b)(1) of this section,  
3 is amended—

4           (1) by inserting “RESPONSIBILITIES OF OFFI-  
5 CERS.—” after “(c)”;

6           (2) in paragraph (1), by striking “he” and in-  
7 serting “such officer”; and

8           (3) in paragraph (2), by inserting “, the Chief  
9 of Staff of the Army or the Chief of Staff of the Air  
10 Force (as applicable), or the Chief of the National  
11 Guard Bureau” before the period at the end.

12          (d) OTHER MATTERS.—Such section is further  
13 amended—

14           (1) by striking subsection (d), as redesignated  
15 by subsection (b)(1) of this section; and

16           (2) by striking subsection (e).

17          (e) INTRUSTMENT OF MONIES.—Such section is fur-  
18 ther amended—

19           (1) by redesignating subsection (f) as sub-  
20 section (d); and

21           (2) in subsection (d), as so redesignated—

22                   (A) by inserting “INTRUSTMENT OF MON-  
23 IES.—” after “(d)”;

24                   (B) by striking “an officer” and inserting  
25 “a Federally recognized officer”;

1 (C) by striking “him” and inserting “such  
2 agent officer”; and

3 (D) by striking “he” and inserting “the  
4 agent officer”.

5 **SEC. 1039. LIMITATION ON PLACEMENT BY THE UNDER**  
6 **SECRETARY OF DEFENSE FOR PERSONNEL**  
7 **AND READINESS OF WORK WITH FEDERALLY**  
8 **FUNDED RESEARCH AND DEVELOPMENT**  
9 **CENTERS.**

10 (a) LIMITATION.—The Under Secretary of Defense  
11 for Personnel and Readiness may not place any work with  
12 a federally funded research and development center  
13 (FFRDC) until the Under Secretary submits to the Com-  
14 mittees on Armed Services of the Senate and the House  
15 of Representatives a report on all studies, reports, and  
16 other analyses being undertaken for the Under Secretary  
17 as of the date of the report by federally funded research  
18 and development centers.

19 (b) ELEMENTS.—The report required by subsection  
20 (a) shall set forth the following:

21 (1) A list of each study, report, and analysis de-  
22 scribed by subsection (a).

23 (2) For each study, report, or analysis, the fol-  
24 lowing:

25 (A) Title.

1 (B) Federally funded research and develop-  
2 ment center undertaking.

3 (C) Amount of contract.

4 (D) Anticipated completion date.

5 **SEC. 1040. TERMINATION OF REQUIREMENT FOR DEPART-**  
6 **MENT OF DEFENSE FACILITY ACCESS CLEAR-**  
7 **ANCES FOR JOINT VENTURES COMPOSED OF**  
8 **PREVIOUSLY-CLEARED ENTITIES.**

9 A clearance for access to a Department of Defense  
10 installation or facility may not be required for a joint ven-  
11 ture if that joint venture is composed entirely of entities  
12 that are currently cleared for access to such installation  
13 or facility.

14 **SEC. 1041. DESIGNATION OF DEPARTMENT OF DEFENSE**  
15 **STRATEGIC ARCTIC PORTS.**

16 (a) FINDINGS.—Congress makes the following find-  
17 ings:

18 (1) The strategic importance of the Arctic con-  
19 tinues to increase as the United States and other  
20 countries recognize the military significance of the  
21 sea lanes and choke points within the region and un-  
22 derstand the potential for power projection from the  
23 Arctic into multiple regions.

24 (2) On January 19, 2018, Secretary of Defense  
25 James Mattis released the document titled “2018

1 National Defense Strategy of the United States of  
2 America” in which the Secretary outlined the re-  
3 emergence of long-term, strategic competition by  
4 countries classified by the National Security Strat-  
5 egy as revisionist powers.

6 (3) Russia and China have conducted military  
7 exercises together in the Arctic, have agreed to con-  
8 nect the Northern Sea Route, claimed by Russia,  
9 with China’s Maritime Silk Road, and are working  
10 together in developing natural gas resources in the  
11 Arctic.

12 (4) The Government of the Russian Federa-  
13 tion—

14 (A) has prioritized the development of Arc-  
15 tic capabilities and has made significant invest-  
16 ments in military infrastructure in the Arctic,  
17 including the creation of a new Arctic Com-  
18 mand and the construction or refurbishment of  
19 16 deepwater ports and 14 airfields in the re-  
20 gion;

21 (B) has approximately 40 icebreakers as of  
22 May 2019, including several nuclear-powered  
23 icebreakers, is currently constructing four ice-  
24 breakers, and is planning to build an additional  
25 eight icebreakers; and

1           (C) conducted the largest military exercise  
2 since the 1980s, Vostok 2018, which included—  
3           (i) 300,000 troops;  
4           (ii) 1,000 aircraft;  
5           (iii) 80 ships;  
6           (iv) 36,000 vehicles; and  
7           (v) notably, 3,200 Chinese troops, 30  
8 Chinese rotary and fixed-wing aircraft, and  
9 900 Chinese tanks.

10           (5) The Government of the People’s Republic of  
11 China—

12           (A) released, in January 2018, its new  
13 Arctic Strategy, the Polar Silk Road, in which  
14 it declares itself as a “near-Arctic state”, even  
15 though its nearest territory to the Arctic is 900  
16 miles away;

17           (B) has publicly stated that it seeks to ex-  
18 pand its “Belt and Road Initiative” to the Arc-  
19 tic region, including current investment in the  
20 natural gas fields in the Yamal Peninsula in  
21 Russia, rare-earth element mines in Greenland,  
22 and the real estate, alternative energy, and fish-  
23 eries in Iceland; and

24           (C) has shown great interest in expanding  
25 its Arctic presence, including through—

1 (i) the operation of research vessels in  
2 the region;

3 (ii) the recent construction of the  
4 Xuelong 2, or Snow Dragon II, the only  
5 polar research boat vessel in the world that  
6 can break ice while going forward or back-  
7 ward;

8 (iii) a freedom of navigation operation  
9 in the Aleutian Islands in 2015; and

10 (iv) its recent plans to develop a  
11 33,000 ton nuclear-powered icebreaker.

12 (6) The economic significance of the Arctic con-  
13 tinues to grow as countries around the globe begin  
14 to understand the potential for maritime transpor-  
15 tation through, and economic and trade development  
16 in, the region.

17 (7) The Arctic is home to 13 percent of the  
18 world's undiscovered oil, 30 percent of its undis-  
19 covered gas, an abundance of uranium, rare earth  
20 minerals, gold, diamonds, and millions of square  
21 miles of untapped resources, including abundant  
22 fisheries.

23 (8) The Bering Strait is experiencing signifi-  
24 cant increases in international traffic from vessels  
25 transiting the Northern Sea Route, increases which

1 are projected to continue if decreases in sea ice cov-  
2 erage continue.

3 (9) Along a future ice-free Arctic shipping  
4 route, a ship sailing from South Korea to Germany  
5 would have an average travel time of just 23 days,  
6 compared to 34 days via the Suez Canal and 46  
7 days via the Cape of Good Hope.

8 (10) In a speech at the Arctic Forum in Sep-  
9 tember 2011, Russian Federation President Vladi-  
10 mir Putin highlighted the Northern Sea Route as a  
11 potential alternative to the Suez Canal and has pub-  
12 licly stated plans to invest \$11,400,000,000 along  
13 the Northern Sea Route by 2024.

14 (11) Increases in human, maritime, and re-  
15 source development activity in the Arctic region are  
16 expected to create additional mission requirements  
17 for the Department of Defense and the Department  
18 of Homeland Security, given—

19 (A) the strategic focus of the Government  
20 of the Russian Federation and the Government  
21 of the People’s Republic of China on the Arctic;

22 (B) overlapping territorial claims; and

23 (C) the potential for maritime accidents,  
24 oil spills, and illegal fishing near the exclusive  
25 economic zone of the United States.

1           (12) The increasing role of the United States in  
2 the Arctic has been highlighted in each of the last  
3 four National Defense Authorization Acts.

4           (13) Section 1068 of the National Defense Au-  
5 thorization Act for Fiscal Year 2016 (Public Law  
6 114–92; 129 Stat. 992) required a new Department  
7 of Defense strategy to protect United States na-  
8 tional security interests in the Arctic region.

9           (14) Section 1095 of the National Defense Au-  
10 thorization Act for Fiscal Year 2017 (Public Law  
11 114–328; 130 Stat. 2438) required the Department  
12 of Defense to create criteria to designate a Depart-  
13 ment of Defense Strategic Arctic Port.

14           (15) Section 122 of the National Defense Au-  
15 thorization Act for Fiscal Year 2018 (Public Law  
16 115–91; 131 Stat. 1310) authorized the procure-  
17 ment of one polar-class heavy icebreaker vessel.

18           (16) Section 151 of the John S. McCain Na-  
19 tional Defense Authorization Act for Fiscal Year  
20 2019 (Public Law 115–232) authorized the procure-  
21 ment of five additional polar-class icebreaker vessels  
22 and expressed that the Coast Guard should—

23                   (A) maintain an inventory of not fewer  
24 than six polar-class icebreaker vessels;

1           (B) award a contract for the first new  
2 polar-class icebreaker not later than fiscal year  
3 2019 and deliver the icebreaker not later than  
4 fiscal year 2023; and

5           (C) deliver the second through sixth polar-  
6 class icebreakers at a rate of one vessel per  
7 year in fiscal years 2025 through 2029.

8           (17) In January 2017, the Department of De-  
9 fense released a report entitled “Report to Congress  
10 on Strategy to Protect United States National Secu-  
11 rity Interests in the Arctic Region” to update “the  
12 ways and means” the Department of Defense in-  
13 tends to use to achieve its objectives as it imple-  
14 ments the 2013 National Strategy for the Arctic Re-  
15 gion, including—

16           (A) enhancing the capability of United  
17 States forces to defend the homeland and exer-  
18 cise sovereignty;

19           (B) strengthening deterrence at home and  
20 abroad;

21           (C) preserving freedom of the seas in the  
22 Arctic; and

23           (D) evolving the infrastructure and capa-  
24 bilities of the Department in the Arctic con-  
25 sistent with changing conditions and needs.

1           (18) The United States Coast Guard Arctic  
2 Strategic Outlook released in April 2019 states,  
3 “Demonstrating commitment to operational pres-  
4 ence, Canada, Denmark, and Norway have made  
5 strategic investments in ice-capable patrol ships  
6 charged with national or homeland security missions.  
7 [The United States] is the only Arctic State that  
8 has not made similar investments in ice-capable sur-  
9 face maritime security assets. This limits the ability  
10 of the Coast Guard, and the Nation, to credibly up-  
11 hold sovereignty or respond to contingencies in the  
12 Arctic”.

13           (19) On January 12, 2017, Secretary of De-  
14 fense James Mattis stated, “The Arctic is key stra-  
15 tegic terrain . . . Russia is taking aggressive steps  
16 to increase its presence there . . . I will prioritize  
17 the development of an integrated strategy for the  
18 Arctic. I believe that our interests and the security  
19 of the Arctic would benefit from increasing the focus  
20 of the Department of Defense on this region”.

21           (20) On January 9, 2019, Secretary of the Air  
22 Force Heather Wilson and Chief of Staff of the Air  
23 Force General David Goldfein wrote, “. . . the Arc-  
24 tic has become even more important to the nation.  
25 Both a northern approach to the United States, as

1 well as a critical location for projecting American  
2 power, its geo-strategic significance is difficult to  
3 overstate”.

4 (21) On February 26, 2019, General John  
5 Hyten, Commander of the United States Strategic  
6 Command, stated, “In particular, the Arctic is an  
7 area that we really need to focus on and really look  
8 at investing. That is no longer a buffer zone. We  
9 need to be able to operate there. We need to be able  
10 to communicate there. We need to have a presence  
11 there that we have not invested in in the same way  
12 that our adversaries have. And they see that as a  
13 vulnerability from us, whereas it is becoming a  
14 strength for them and it is a weakness for us, we  
15 need to flip that equation”.

16 (22) On February 26, 2019, General Terrence  
17 O’Shaughnessy, Commander of the United States  
18 Northern Command stated, “It has become clear  
19 that defense of the homeland depends on our ability  
20 to detect and defeat threats operating both in the  
21 Arctic and passing through the Arctic. Russia’s  
22 fielding of advanced, long-range cruise missiles capa-  
23 ble of flying through the northern approaches and  
24 striking targets in the United States and Canada  
25 has emerged as the dominant military threat in the

1 Arctic. . . . Meanwhile, China has declared that it  
2 is not content to remain a mere observer in the Arctic  
3 and has taken action to normalize its naval and  
4 commercial presence in the region in order to increase  
5 its access to lucrative resources and shipping  
6 routes. I view the Arctic as the front line in the defense  
7 of the United States and Canada . . .”.

8 (23) On May 6, 2019, Admiral Karl Schultz,  
9 Commandant of the Coast Guard stated, “We talk  
10 about the Arctic as a competitive space. We’ve seen  
11 China, we see Russia investing extensively. China  
12 built icebreakers in the time since we updated our  
13 strategy. China’s been operating off the Alaskan  
14 Arctic for a good part of the last six years on an annual  
15 basis. [The Coast Guard is] championing increased  
16 capabilities in the Arctic . . . better communications,  
17 better domain awareness . . . . I want to  
18 see the Arctic remain a peaceful domain. China’s a  
19 self-declared Arctic state. They’re not one of the  
20 eight Arctic nations, so for me, for the service, its  
21 presence equals influence”.

22 (24) On May 6, 2019, Secretary of State Mike  
23 Pompeo stated that—

24 (A) the Arctic “has become an arena for  
25 power and for competition”, and the United

1 States is “entering a new age of strategic en-  
2 gagement in the Arctic, complete with new  
3 threats to the Arctic and its real estate, and to  
4 all of our interests in that region.”;

5 (B) “Arctic sea lanes could become the  
6 21st century Suez and Panama Canals.”;

7 (C) “We’re concerned about Russia’s claim  
8 over the international waters of the Northern  
9 Sea Route, including its newly announced plans  
10 to connect it with China’s Maritime Silk  
11 Road.”;

12 (D) “In the Northern Sea Route, Moscow  
13 already illegally demands other nations request  
14 permission to pass, requires Russian maritime  
15 pilots to be aboard foreign ships, and threatens  
16 to use military force to sink any that fail to  
17 comply with their demands.”;

18 (E) there is a “pattern of aggressive Rus-  
19 sian behavior here in the Arctic” and “we know  
20 Russian territorial ambitions can turn violent”;  
21 and

22 (F) we do not want “the Arctic Ocean to  
23 transform into a new South China Sea, fraught  
24 with militarization and competing territorial  
25 claims”, nor do we want “the fragile Arctic en-

1            vironment exposed to the same ecological devas-  
2            tation caused by China’s fishing fleet in the  
3            seas off its coast, or unregulated industrial ac-  
4            tivity in its own country”.

5            (25) On December 6, 2018, Secretary of the  
6            Navy Richard Spencer stated, “We need to have a  
7            strategic Arctic port up in Alaska. We need to be  
8            doing FONOPs in the northwest – in the northern  
9            passage. . . . peace through presence with a sub-  
10            marine is a little tough”.

11            (26) Meanwhile, the two closest strategic sea-  
12            ports, as designated by the Department of Defense,  
13            to the Arctic Circle are the Port of Anchorage and  
14            the Port of Tacoma, located approximately 1,500  
15            nautical miles and 2,400 nautical miles away, re-  
16            spectively, and approximately 1,900 nautical miles  
17            and 2,800 nautical miles respectively from Barrow,  
18            Alaska.

19            (27) The distance from Bangor, Maine, to Key  
20            West, Florida, is approximately 1,450 nautical miles.

21            (b) SENSE OF CONGRESS.—It is the sense of Con-  
22            gress that—

23            (1) the Arctic is a region of strategic impor-  
24            tance to the national security interests of the United  
25            States and the Department of Defense must better

1 align its presence, force posture, and capabilities to  
2 meet the growing array of challenges in the region;  
3 and

4 (2) although much progress has been made to  
5 increase awareness of Arctic issues and to promote  
6 increased presence in the region, additional meas-  
7 ures, including the designation of one or more stra-  
8 tegic Arctic ports, are needed to show the commit-  
9 ment of the United States to this emerging strategic  
10 choke point of future great power competition.

11 (c) REPORT REQUIRED.—

12 (1) IN GENERAL.—Not later than 180 days  
13 after the date of the enactment of this Act, the Sec-  
14 retary of Defense, in consultation with the Chairman  
15 of the Joint Chiefs of Staff, the Commanding Gen-  
16 eral of the United States Army Corps of Engineers,  
17 the Commandant of the Coast Guard, and the Ad-  
18 ministrator of the Maritime Administration, shall  
19 submit to the congressional defense committees a re-  
20 port evaluating potential sites for one or more stra-  
21 tegic ports in the Arctic.

22 (2) ELEMENTS.—Consistent with the updated  
23 military strategy for the protection of United States  
24 national security interests in the Arctic region set  
25 forth in the report required under section 1068 of

1 the National Defense Authorization Act for Fiscal  
2 Year 2016 (Public Law 114–92; 129 Stat. 992), the  
3 report required under paragraph (1) shall include—

4 (A) an evaluation of the amount of suffi-  
5 cient and suitable space needed to create capaci-  
6 ty for port and other necessary infrastructure  
7 for at least one of each of type of Navy or  
8 Coast Guard vessel, including an Arleigh Burke  
9 class destroyer of the Navy, a national security  
10 cutter, and a heavy polar ice breaker of the  
11 Coast Guard;

12 (B) an evaluation of the amount of suffi-  
13 cient and suitable space needed to create capaci-  
14 ty for equipment and fuel storage, techno-  
15 logical infrastructure, and civil infrastructure to  
16 support military and civilian operations, includ-  
17 ing—

18 (i) aerospace warning;

19 (ii) maritime surface and subsurface  
20 warning;

21 (iii) maritime control and defense;

22 (iv) maritime domain awareness;

23 (v) homeland defense;

24 (vi) defense support to civil authori-  
25 ties;

- 1 (vii) humanitarian relief;
- 2 (viii) search and rescue;
- 3 (ix) disaster relief;
- 4 (x) oil spill response;
- 5 (xi) medical stabilization and evacu-
- 6 ation; and
- 7 (xii) meteorological measurements and
- 8 forecasting;
- 9 (C) an identification of proximity and road
- 10 access required to an airport designated as a
- 11 commercial service airport by the Federal Avia-
- 12 tion Administration that is capable of sup-
- 13 porting military and civilian aircraft for oper-
- 14 ations designated in subparagraph (B);
- 15 (D) a description of the requirements, to
- 16 include infrastructure and installations, commu-
- 17 nications, and logistics necessary to improve re-
- 18 sponse effectiveness to support military and ci-
- 19 vilian operations described in subparagraph
- 20 (B);
- 21 (E) an identification of the sites that the
- 22 Secretary recommends as potential sites for
- 23 designation as Department of Defense Strategic
- 24 Arctic Ports;

1           (F) the estimated cost of sufficient con-  
2           struction necessary to initiate and sustain ex-  
3           pected operations at such sites; and

4           (G) such other information as the Sec-  
5           retary deems relevant.

6           (d) DESIGNATION OF STRATEGIC ARCTIC PORTS.—  
7           Not later than 90 days after the date on which the report  
8           required under subsection (c) is submitted, the Secretary  
9           of Defense, in consultation with the Chairman of the Joint  
10          Chiefs of Staff, the Commanding General of the United  
11          States Army Corps of Engineers, the Commandant of the  
12          Coast Guard, and the Administrator of the Maritime Ad-  
13          ministration, shall designate one or more ports as Depart-  
14          ment of Defense Strategic Arctic Ports from the sites  
15          identified under subsection (c)(2)(E).

16          (e) RULE OF CONSTRUCTION.—Nothing in this sec-  
17          tion may be construed to authorize any additional appro-  
18          priations for the Department of Defense for the establish-  
19          ment of any port designated pursuant to this section.

20          (f) ARCTIC DEFINED.—In this section, the term  
21          “Arctic” has the meaning given that term in section 112  
22          of the Arctic Research and Policy Act of 1984 (15 U.S.C.  
23          4111).

1 **SEC. 1042. EXTENSION OF NATIONAL SECURITY COMMIS-**  
2 **SION ON ARTIFICIAL INTELLIGENCE.**

3 (a) **EXTENSION.**—Subsection (e) of section 1051 of  
4 the John S. McCain National Defense Authorization Act  
5 for Fiscal Year 2019 (Public Law 115–232; 132 Stat.  
6 1962) is amended by striking “October 1, 2020” and in-  
7 serting “March 1, 2021”.

8 (b) **REPORTS.**—Subsection (c) of such section is  
9 amended—

10 (1) in paragraph (1), by striking “Not later  
11 than 180 days after the date of the enactment of  
12 this Act” and inserting “Not later than August 1,  
13 2019”;

14 (2) by redesignating paragraph (3) as para-  
15 graph (4); and

16 (3) by inserting after paragraph (1) the fol-  
17 lowing new paragraphs:

18 “(2) **INTERIM REPORTS.**—Not later than each  
19 of December 1, 2019, and December 1, 2020, the  
20 Commission shall submit as described in that para-  
21 graph an interim report on the review required  
22 under subsection (b).

23 “(3) **FINAL REPORT.**—Not later than March 1,  
24 2021, the Commission shall submit as described in  
25 paragraph (1) a comprehensive final report on the  
26 review required under subsection (b).”.

1 **SEC. 1043. AUTHORITY TO TRANSFER FUNDS FOR BIEN HOA**  
2 **DIOXIN CLEANUP.**

3 (a) **TRANSFER AUTHORITY.**—Notwithstanding sec-  
4 tion 2215 of title 10, United States Code, the Secretary  
5 of Defense may transfer to the Secretary of State, for use  
6 by the United States Agency for International Develop-  
7 ment, amounts to be used for the Bien Hoa dioxin cleanup  
8 in Vietnam.

9 (b) **LIMITATION ON AMOUNT.**—Not more than  
10 \$15,000,000 may be transferred in fiscal year 2020 under  
11 the authority in subsection (a).

12 (c) **ADDITIONAL TRANSFER AUTHORITY.**—The  
13 transfer authority in subsection (a) is in addition to any  
14 other transfer authority available to the Department of  
15 Defense.

16 **SEC. 1044. LIMITATION ON USE OF FUNDS TO HOUSE CHIL-**  
17 **DREN SEPARATED FROM PARENTS.**

18 (a) **IN GENERAL.**—None of the amounts authorized  
19 to be appropriated by this Act to the Department of De-  
20 fense for fiscal year 2020 may be used to house a child  
21 separated from a parent.

22 (b) **CHILD SEPARATED FROM A PARENT DE-**  
23 **FINED.**—The term “child separated from a parent” means  
24 a person who—

1 (1) entered the United States, before attaining  
2 18 years of age, at a port of entry or between ports  
3 of entry; and

4 (2) was separated from his or her parent or  
5 legal guardian by the Department of Homeland Se-  
6 curity, and the Department of Homeland Security  
7 failed to demonstrate in a hearing that the parent  
8 or legal guardian was unfit or presented a danger to  
9 the child.

## 10 **Subtitle F—Studies and Reports**

### 11 **SEC. 1051. MODIFICATION OF ANNUAL REPORTING RE-** 12 **QUIREMENTS ON DEFENSE MANPOWER.**

13 (a) CONVERSION OF ANNUAL REQUIREMENTS RE-  
14 PORT INTO ANNUAL PROFILE REPORT.—Section 115a of  
15 title 10, United States Code, is amended—

16 (1) in subsection (a)—

17 (A) in the matter preceding paragraph (1),  
18 by striking the first two sentences and inserting  
19 the following new sentence: “Not later than  
20 April 1 each year, the Secretary of Defense  
21 shall submit to Congress a defense manpower  
22 profile report.”;

23 (B) in paragraph (1), by adding “and” at  
24 the end;

1 (C) in paragraph (2), by striking “; and”  
2 and inserting a period; and

3 (D) by striking paragraph (3);

4 (2) in subsection (b)—

5 (A) by striking “(1)”; and

6 (B) by striking paragraphs (2) and (3);

7 (3) in subsection (c), by striking “the fol-  
8 lowing:” and all that follows and inserting “the  
9 manpower required for support and overhead func-  
10 tions within the armed forces and the Department of  
11 Defense.”;

12 (4) by striking subsections (e) and (h); and

13 (5) by redesignating subsections (f) and (g) as  
14 subsections (e) and (f), respectively.

15 (b) CONVERSION OF CERTAIN CURRENT REPORT  
16 ELEMENTS INTO SEPARATE, MODIFIED REPORTS.—Such  
17 section is further amended—

18 (1) in subsection (e), as redesignated by sub-  
19 section (a)(5) of this section—

20 (A) in the matter preceding paragraph (1),  
21 by striking “The Secretary shall also include in  
22 each such report” and inserting “Not later than  
23 June 1 each year, the Secretary shall submit to  
24 Congress a report that sets forth”; and

1 (B) in paragraph (1), by striking “and es-  
2 timates of such numbers for the current fiscal  
3 year and subsequent fiscal years”; and  
4 (2) in subsection (f), as so redesignated—

5 (A) in the matter preceding paragraph (1),  
6 by striking “In each report submitted under  
7 subsection (a), the Secretary shall also include  
8 a detailed discussion” and inserting “Not later  
9 than September 1 each year, the Secretary shall  
10 submit to Congress a report that sets forth a  
11 detailed discussion, current as of the preceding  
12 fiscal year”; and

13 (B) by striking “the year” each place it  
14 appears and inserting “the fiscal year”.

15 (c) CONFORMING AND CLERICAL AMENDMENTS.—

16 (1) HEADING AMENDMENT.—The heading of  
17 such section is amended to read as follows:

18 **“§ 115a. Annual defense manpower profile report and**  
19 **related reports”.**

20 (2) CLERICAL AMENDMENT.—The table of sec-  
21 tions at the beginning of chapter 3 of such title is  
22 amended by striking the item relating to section  
23 115a and inserting the following new item:

“115a. Annual defense manpower profile report and related reports.”.

1 **SEC. 1052. REPORT ON DEPARTMENT OF DEFENSE EF-**  
2 **FORTS TO IMPLEMENT A FORCE PLANNING**  
3 **PROCESS IN SUPPORT OF IMPLEMENTATION**  
4 **OF THE 2018 NATIONAL DEFENSE STRATEGY.**

5 (a) REPORT REQUIRED.—Not later than February 1,  
6 2020, the Under Secretary of Defense for Policy shall sub-  
7 mit to the congressional defense committees a report set-  
8 ting forth the plan and processes of the Department of  
9 Defense to provide analytic support to senior leaders of  
10 the Department for the force planning required to imple-  
11 ment the 2018 National Defense Strategy. The analytic  
12 support shall be designed to weigh options, examine trade-  
13 offs across the joint force, and drive decisions on force  
14 sizing, shaping, capability, and concept development in  
15 order to address the threats outlined in the 2018 National  
16 Defense Strategy.

17 (b) ELEMENTS.—The report required by subsection  
18 (a) shall include an assessment of the following:

19 (1) The major elements, products, and mile-  
20 stones of the force planning process of the Depart-  
21 ment.

22 (2) The conclusions and recommendations of  
23 the Defense Planning and Analysis Community ini-  
24 tiative.

25 (3) The progress of the Department in imple-  
26 menting the recommendations of the Comptroller

1 General of the United States set forth in Govern-  
2 ment Accountability Office Report GAO–19–40C.

3 (4) The progress of the Under Secretary, the  
4 Chairman of the Joint Chiefs of Staff, and the Di-  
5 rector of Cost Assessment and Program Evaluation  
6 in implementing paragraph (5) of section 134(b) of  
7 title 10, United States Code, as added by section  
8 902(b) of the John S. McCain National Defense Au-  
9 thorization Act for Fiscal Year 2019 (Public Law  
10 115–232).

11 **SEC. 1053. EXTENSION OF ANNUAL REPORTS ON CIVILIAN**  
12 **CASUALTIES IN CONNECTION WITH UNITED**  
13 **STATES MILITARY OPERATIONS.**

14 Section 1057(e) of the National Defense Authoriza-  
15 tion Act for Fiscal Year 2018 (Public Law 115–91; 131  
16 Stat. 1572) is amended by striking “the date this is five  
17 years after the date of the enactment of this Act” and  
18 inserting “December 31, 2025”.

19 **SEC. 1054. REPORT ON JOINT FORCE PLAN FOR IMPLEMEN-**  
20 **TATION OF STRATEGIES OF THE DEPART-**  
21 **MENT OF DEFENSE FOR THE ARCTIC.**

22 (a) IN GENERAL.—Not later than 270 days after the  
23 date on which the Secretary of Defense submits to the  
24 congressional defense committees the report on an up-  
25 dated Arctic strategy to improve and enhance joint oper-

1 ations required by section 1071 of the John S. McCain  
2 National Defense Authorization Act for Fiscal Year 2019  
3 (Public Law 115–232), the Secretary of Defense shall, in  
4 coordination with the Secretary of the Army, the Secretary  
5 of the Navy, and the Secretary of the Air Force, submit  
6 to the congressional defense committees a joint force plan  
7 for implementation of the following:

8           (1) The December 2016 Report to Congress on  
9           the Strategy to Protect United States National Se-  
10          curity Interests in the Arctic Region.

11          (2) The updated Arctic strategy to improve and  
12          enhance joint operations.

13          (b) ELEMENTS.—The report required by subsection  
14 (a) shall include the following in connection with the strat-  
15 egies for the Arctic referred to in that subsection:

16           (1) A description of the specific means for—

17           (A) enhancing the capability of the Armed  
18           Forces to defend the homeland and exercise  
19           sovereignty;

20           (B) strengthening deterrence at home and  
21           abroad;

22           (C) strengthening alliances and partner-  
23           ships;

24           (D) preserving freedom of the seas in the  
25           Arctic;

1           (E) engaging public, private, and inter-  
2           national partners to improve domain awareness  
3           in the Arctic;

4           (F) developing Department of Defense  
5           Arctic infrastructure and capabilities consistent  
6           with changing conditions and needs;

7           (G) providing support to civil authorities,  
8           as directed;

9           (H) partnering with other departments,  
10          agencies, and countries to support human and  
11          environmental security; and

12          (I) supporting international institutions  
13          that promote regional cooperation and the rule  
14          of law.

15          (2) An analysis of the operational and contin-  
16          gency plans for the protection of United States na-  
17          tional security interests in the Arctic region.

18          (3) A description of training, capability, and re-  
19          source gaps that must be addressed to execute each  
20          mission described in the updated Arctic strategy.

21          (4) A description of the current and projected  
22          Arctic capabilities of the Russian Federation and the  
23          People's Republic of China, and an analysis of  
24          United States capabilities for satisfying—

1 (A) each mission described in the updated  
2 Arctic strategy; and

3 (B) the strategic objectives in the National  
4 Defense Strategy.

5 (c) FORM.—The report required by subsection (a)  
6 shall be submitted in unclassified form, but may include  
7 a classified annex.

8 **SEC. 1055. REPORT ON USE OF NORTHERN TIER BASES IN**  
9 **IMPLEMENTATION OF ARCTIC STRATEGY OF**  
10 **THE UNITED STATES.**

11 (a) IN GENERAL.—Not later than 180 days after the  
12 date of the enactment of this Act, the Secretary of De-  
13 fense, in coordination with the Secretary of the Air Force,  
14 shall submit to the congressional defense committees a re-  
15 port outlining how bases in the northern latitudes, includ-  
16 ing Northern Tier bases, may be used in the implementa-  
17 tion of—

18 (1) recommendations included in the report  
19 submitted by the Secretary of Defense to Congress  
20 in December 2016 entitled “Report to Congress on  
21 Strategy to Protect United States National Security  
22 Interests in the Arctic Region”; and

23 (2) the updated Arctic strategy to improve and  
24 enhance joint operations required to be submitted to  
25 the congressional defense committees under section

1 1071 of the John S. McCain National Defense Au-  
2 thorization Act for Fiscal Year 2019 (Public Law  
3 115–232).

4 (b) INCLUSION OF MISSION SETS.—The report under  
5 subsection (a) shall include a description of current and  
6 future mission sets at Northern Tier bases that may fur-  
7 ther the Arctic strategy of the United States.

8 (c) NORTHERN TIER BASES DEFINED.—In this sec-  
9 tion, the term “Northern Tier bases” means installations  
10 in the continental United States that are located in States  
11 bordering Canada.

12 **SEC. 1056. REPORT ON THE DEPARTMENT OF DEFENSE**  
13 **PLAN FOR MASS-CASUALTY DISASTER RE-**  
14 **SPONSE OPERATIONS IN THE ARCTIC.**

15 (a) SENSE OF SENATE.—It is the sense of the Senate  
16 that—

17 (1) the Department of Defense may be called  
18 upon to support the Coast Guard and other agencies  
19 of the Department of Homeland Security in re-  
20 sponding to any mass-casualty disaster response op-  
21 erations in the Arctic;

22 (2) coordination between the Department of  
23 Defense and the Coast Guard might be necessary for  
24 responding to a mass-casualty event in the Arctic;  
25 and

1           (3) prior planning for Arctic mass-casualty dis-  
2           aster response operations will bolster the response of  
3           the Federal Government to a mass-casualty disaster  
4           in the Arctic environment.

5           (b) REPORT.—Not later than 180 days after the date  
6 of the enactment of this Act, the Secretary of Defense  
7 shall, in coordination with the Secretary of Homeland Se-  
8 curity, submit to the appropriate committees of Congress  
9 a report on the plan of the Department of Defense for  
10 assisting mass-casualty disaster response operations in the  
11 Arctic.

12          (c) ELEMENTS.—The report required by subsection  
13 (b) shall include the following:

14           (1) A description of the assets that could be  
15           made available to support other agencies and depart-  
16           ments of the Federal Government for mass-casualty  
17           disaster response operations in the Arctic.

18           (2) A description and assessment of the com-  
19           mand, control, and coordination relationships that  
20           would be useful to integrate rescue forces for such  
21           operations from multiple departments and agencies  
22           of the Federal Government.

23           (3) A description and assessment of the com-  
24           munications assets that could be made available in  
25           support of other agencies and departments of the

1 Federal Government for communication and coordi-  
2 nation in such operations.

3 (4) A description of any cooperative arrange-  
4 ments with Canada and other regional partners in  
5 providing rescue assets and infrastructure in connec-  
6 tion with such operations.

7 (5) A description of available medical infra-  
8 structure and assets that could be made available in  
9 support of other agencies and departments of the  
10 Federal Government for aeromedical evacuation in  
11 connection with such operations.

12 (6) A description of available shelter locations  
13 that could be made available in support of other  
14 agencies and departments of the Federal Govern-  
15 ment for use in connection with such operations, in-  
16 cluding the number of people that can be sheltered  
17 per location.

18 (7) An assessment of logistical challenges that  
19 evacuations from the Arctic in connection with such  
20 operations entail, including potential rotary and  
21 fixed-wing aircraft trans-load locations and onward  
22 movement requirements.

23 (d) APPROPRIATE COMMITTEES OF CONGRESS DE-  
24 FINED.—In this section, the term “appropriate commit-  
25 tees of Congress” means—

1           (1) the Committee on Armed Services, the  
2           Committee on Homeland Security and Governmental  
3           Affairs, and the Committee on Appropriations of the  
4           Senate; and

5           (2) the Committee on Armed Services, the  
6           Committee on Homeland Security, and the Com-  
7           mittee on Appropriations of the House of Represent-  
8           atives.

9 **SEC. 1057. ANNUAL REPORTS ON APPROVAL OF EMPLOY-**  
10 **MENT OR COMPENSATION OF RETIRED GEN-**  
11 **ERAL OR FLAG OFFICERS BY FOREIGN GOV-**  
12 **ERNMENTS FOR EMOLUMENTS CLAUSE PUR-**  
13 **POSES.**

14           (a) ANNUAL REPORTS.—Section 908 of title 37,  
15 United States Code, is amended by adding at the end the  
16 following new subsection:

17           “(d) ANNUAL REPORTS ON APPROVALS FOR RE-  
18 TIRED GENERAL AND FLAG OFFICERS.—(1) Not later  
19 than January 31 each year, the Secretaries of the military  
20 departments shall jointly submit to the appropriate com-  
21 mittees and Members of Congress a report on each ap-  
22 proval under subsection (b) for employment or compensa-  
23 tion described in subsection (a) for a retired member of  
24 the armed forces in a general or flag officer grade that  
25 was issued during the preceding year.

1 “(2) In this subsection, the appropriate committees  
2 and Members of Congress are—

3 “(A) the Committee on Armed Services, the  
4 Committee on Foreign Relations, and the Committee  
5 on Appropriations of the Senate;

6 “(B) the Committee on Armed Services, the  
7 Committee on Foreign Affairs, and the Committee  
8 on Appropriations of the House of Representatives;

9 “(C) the Majority Leader and the Minority  
10 Leader of the Senate; and

11 “(D) the Speaker of the House of Representa-  
12 tives and the Minority Leader of the House of Rep-  
13 resentatives.”.

14 (b) SCOPE OF FIRST REPORT.—The first report sub-  
15 mitted pursuant to subsection (d) of section 908 of title  
16 37, United States Code (as added by subsection (a) of this  
17 section), after the date of the enactment of this Act shall  
18 cover the five-year period ending with the year before the  
19 year in which such report is submitted.

20 **SEC. 1058. TRANSMITTAL TO CONGRESS OF REQUESTS FOR**  
21 **ASSISTANCE RECEIVED BY THE DEPART-**  
22 **MENT OF DEFENSE FROM OTHER DEPART-**  
23 **MENTS.**

24 (a) REQUESTS FOR ASSISTANCE.—Not later than  
25 seven calendar days after the receipt by the Department

1 of Defense of a Request for Assistance from the Depart-  
2 ment of Homeland Security or the Department of Health  
3 and Human Services, the Secretary of Defense shall elec-  
4 tronically transmit to the Committees on Armed Services  
5 of the Senate and the House of Representatives a copy  
6 of such Request for Assistance.

7 (b) RESPONSES TO REQUESTS.—At the same time  
8 the Secretary of Defense submits to the Secretary of  
9 Homeland Security or the Secretary of Health and  
10 Human Services an official response of the Department  
11 of Defense to a Request for Assistance from the Depart-  
12 ment of Homeland Security or the Department of Health  
13 and Human Services, as applicable, the Secretary of De-  
14 fense shall transmit to the Committees on Armed Services  
15 of the Senate and the House of Representatives a copy  
16 of such official response.

17 **SEC. 1059. SEMIANNUAL REPORT ON CONSOLIDATED ADJU-**  
18 **DICATION FACILITY OF THE DEFENSE COUN-**  
19 **TERINTELLIGENCE AND SECURITY AGENCY.**

20 Not less frequently than once every six months until  
21 the Director of the Defense Counterintelligence and Secu-  
22 rity Agency determines that a steady-state level has been  
23 achieved for the Consolidated Adjudication Facility of the  
24 Agency, the Director shall submit to the congressional de-

1 fense committees a report on inventory and timeliness  
2 metrics relating to such facility.

3 **SEC. 1060 COMPTROLLER GENERAL OF THE UNITED**  
4 **STATES REPORT ON POST-GOVERNMENT EM-**  
5 **PLOYMENT OF FORMER DEPARTMENT OF DE-**  
6 **FENSE OFFICIALS.**

7 Not later than 90 days after the date of the enact-  
8 ment of this Act, the Comptroller General of the United  
9 States shall initiate a review updating the information and  
10 findings contained in the May 2008 Government Account-  
11 ability Office report entitled, “Defense Contracting: Post-  
12 Government Employment of Former DOD Officials Needs  
13 Greater Transparency” (GAO–08–485). The Comptroller  
14 General shall provide an interim briefing on the status of  
15 the review to the congressional defense committees not  
16 later than December 31, 2020, with a report to follow by  
17 a date agreed upon with the committees.

18 **Subtitle G—Treatment of Contami-**  
19 **nated Water Near Military In-**  
20 **stallations**

21 **SEC. 1071. SHORT TITLE.**

22 This subtitle may be cited as the “Prompt and Fast  
23 Action to Stop Damages Act of 2019”.

24 **SEC. 1072. DEFINITIONS.**

25 In this subtitle:

1           (1) PFOA.—The term “PFOA” means  
2 perfluorooctanoic acid.

3           (2) PFOS.—The term “PFOS” means  
4 perfluorooctane sulfonate.

5 **SEC. 1073. PROVISION OF WATER UNCONTAMINATED WITH**  
6 **PERFLUOROOCCTANOIC ACID (PFOA) AND**  
7 **PERFLUOROOCCTANE SULFONATE (PFOS) FOR**  
8 **AGRICULTURAL PURPOSES.**

9 (a) AUTHORITY.—

10           (1) IN GENERAL.—Using amounts authorized  
11 to be appropriated or otherwise made available for  
12 operation and maintenance for the military depart-  
13 ment concerned, or for operation and maintenance  
14 Defense-wide in the case of the Secretary of De-  
15 fense, the Secretary concerned may provide water  
16 sources uncontaminated with perfluoroalkyl and  
17 polyfluoroalkyl substances, including PFOA and  
18 PFOS, or treatment of contaminated waters, for ag-  
19 ricultural purposes used to produce products des-  
20 tined for human consumption in an area in which a  
21 water source has been determined pursuant to para-  
22 graph (2) to be contaminated with such compounds  
23 by reason of activities on a military installation  
24 under the jurisdiction of the Secretary concerned.

1           (2) APPLICABLE STANDARD.—For purposes of  
2 paragraph (1), an area is determined to be contami-  
3 nated with PFOA or PFOS if—

4           (A) the level of contamination is above the  
5 Lifetime Health Advisory for contamination  
6 with such compounds issued by the Environ-  
7 mental Protection Agency and printed in the  
8 Federal Register on May 25, 2016; or

9           (B) on or after the date the Food and  
10 Drug Administration sets a standard for PFOA  
11 and PFOS in raw agricultural commodities and  
12 milk, the level of contamination is above such  
13 standard.

14       (b) SECRETARY CONCERNED DEFINED.—In this sec-  
15 tion, the term “Secretary concerned” means the following:

16           (1) The Secretary of the Army, with respect to  
17 the Army.

18           (2) The Secretary of the Navy, with respect to  
19 the Navy, the Marine Corps, and the Coast Guard  
20 (when it is operating as a service in the Navy).

21           (3) The Secretary of the Air Force, with re-  
22 spect to the Air Force.

23           (4) The Secretary of Defense, with respect to  
24 the Defense Agencies.

1 **SEC. 1074. ACQUISITION OF REAL PROPERTY BY AIR**  
2 **FORCE.**

3 (a) **AUTHORITY.**—

4 (1) **IN GENERAL.**—The Secretary of the Air  
5 Force may acquire one or more parcels of real prop-  
6 erty within the vicinity of an Air Force base that  
7 has shown signs of contamination from PFOA and  
8 PFOS due to activities on the base and which would  
9 extend the contiguous geographic footprint of the  
10 base and increase the force protection standoff near  
11 critical infrastructure and runways.

12 (2) **IMPROVEMENTS AND PERSONAL PROP-**  
13 **ERTY.**—The authority under paragraph (1) to ac-  
14 quire real property described in that paragraph shall  
15 include the authority to purchase improvements and  
16 personal property located on that real property.

17 (3) **RELOCATION EXPENSES.**—The authority  
18 under paragraph (1) to acquire real property de-  
19 scribed in that paragraph shall include the authority  
20 to provide Federal financial assistance for moving  
21 costs, relocation benefits, and other expenses in-  
22 curred in accordance with the Uniform Relocation  
23 Assistance and Real Property Acquisition Policies  
24 Act of 1970 (42 U.S.C. 4601 et seq.).

25 (b) **ENVIRONMENTAL ACTIVITIES.**—The Air Force  
26 shall conduct such activities at a parcel or parcels of real

1 property acquired under subsection (a) as are necessary  
2 to remediate contamination from PFOA and PFOS re-  
3 lated to activities at the Air Force base.

4 (c) FUNDING.—Funds for the land acquisitions au-  
5 thorized under subsection (a) shall be derived from  
6 amounts authorized to be appropriated for fiscal year  
7 2020 for military construction or the unobligated balances  
8 of appropriations for military construction that are en-  
9 acted after the date of the enactment of this Act.

10 (d) RULE OF CONSTRUCTION.—The authority under  
11 this section constitutes authority to carry out land acqui-  
12 sitions for purposes of section 2802 of title 10, United  
13 States Code.

14 **SEC. 1075. REMEDIATION PLAN.**

15 (a) IN GENERAL.—Not later than 180 days after the  
16 date of the enactment of this Act, the Secretary of Defense  
17 shall submit to Congress a remediation plan for cleanup  
18 of all water at or adjacent to a military base that is con-  
19 taminated with PFOA or PFOS.

20 (b) STUDY.—In preparing the remediation plan  
21 under subsection (a), the Secretary shall conduct a study  
22 on the contamination of water at military bases with  
23 PFOA or PFOS.

24 (c) BUDGET AMOUNT.—The Secretary shall ensure  
25 that each budget of the President submitted to Congress

1 under section 1105(a) of title 31, United States Code, re-  
2 quests funding in amounts necessary to address remedi-  
3 ation efforts under the remediation plan submitted under  
4 subsection (a).

## 5 **Subtitle H—Other Matters**

### 6 **SEC. 1081. REVISION TO AUTHORITIES RELATING TO MAIL** 7 **SERVICE FOR MEMBERS OF THE ARMED** 8 **FORCES AND DEPARTMENT OF DEFENSE CI-** 9 **VILIANS OVERSEAS.**

10 (a) ELIGIBILITY FOR FREE MAIL.—Section 3401(a)  
11 of title 39, United States Code, is amended to read as  
12 follows:

13 “(a)(1) First-class letter mail having the character of  
14 personal correspondence shall be carried, at no cost to the  
15 sender, in the manner provided by this section, when  
16 mailed by an eligible individual described in paragraph (2)  
17 and addressed to a place within the delivery limits of a  
18 United States post office, if—

19 “(A) such letter mail is mailed by the eligi-  
20 ble individual at an Armed Forces post office  
21 established in an overseas area designated by  
22 the President, where the Armed Forces of the  
23 United States are deployed for a contingency  
24 operation as determined by the Secretary of De-  
25 fense; or

1           “(B) the eligible individual is hospitalized  
2           as a result of disease or injury incurred as a re-  
3           sult of service in an overseas area designated by  
4           the President under subparagraph (A).

5           “(2) An eligible individual described in this  
6           paragraph is—

7           “(A) a member of the Armed Forces of the  
8           United States on active duty, as defined in sec-  
9           tion 101 of title 10; or

10           “(B) a civilian employee of the Depart-  
11           ment of Defense or a military department who  
12           is providing support to military operations.”.

13           (b) SURFACE SHIPMENT OF MAIL AUTHORIZED.—  
14           Section 3401 of title 39, United States Code, is amend-  
15           ed—

16           (1) by striking subsection (c);

17           (2) by redesignating subsections (d), (e), (f),  
18           and (g) as subsections (c), (d), (e), and (f), respec-  
19           tively; and

20           (3) by amending subsection (b) to read as fol-  
21           lows:

22           “(b) There shall be transported by surface or air,  
23           consistent with the service purchased by the mailer, be-  
24           tween Armed Forces post offices or from an Armed Forces  
25           post office to a point of entry into the United States, the

1 following categories of mail matter which are mailed at  
2 any such Armed Forces post office:

3           “(1) Letter mail communications having the  
4 character of personal correspondence.

5           “(2) Any parcel exceeding 1 pound in weight  
6 but less than 70 pounds in weight and less than 130  
7 inches in length and girth combined.

8           “(3) Publications published not less frequently  
9 than once per week and featuring principally current  
10 news of interest to members of the Armed Forces of  
11 the United States and the general public.”.

12 (c) TECHNICAL AND CONFORMING AMENDMENTS.—

13           (1) Section 3401 of title 39, United States  
14 Code, is amended in the section heading by striking  
15 **“and of friendly foreign nations”**.

16           (2) The table of sections for chapter 34 of title  
17 39, United States Code, is amended by striking the  
18 item relating to section 3401 and inserting the fol-  
19 lowing:

“3401. Mailing privileges of members of Armed Forces of the United States.”.

1 **SEC. 1082. ACCESS TO AND USE OF MILITARY POST OF-**  
2 **FICES BY UNITED STATES CITIZENS EM-**  
3 **PLOYED OVERSEAS BY THE NORTH ATLANTIC**  
4 **TREATY ORGANIZATION WHO PERFORM**  
5 **FUNCTIONS IN SUPPORT OF MILITARY OPER-**  
6 **ATIONS OF THE ARMED FORCES.**

7 Section 406 of title 39, United States Code, is  
8 amended by adding at the end the following:

9 “(c)(1) The Secretary of Defense may authorize the  
10 use of a post office established under subsection (a) in  
11 a location outside the United States by citizens of the  
12 United States—

13 “(A) who—

14 “(i) are employed by the North Atlantic  
15 Treaty Organization; and

16 “(ii) perform functions in support of the  
17 Armed Forces of the United States; and

18 “(B) if the Secretary makes a written deter-  
19 mination that such use is—

20 “(i) in the best interests of the Depart-  
21 ment of Defense; and

22 “(ii) otherwise authorized by applicable  
23 host nation law or agreement.

24 “(2) No funds may be obligated or expended to estab-  
25 lish, maintain, or expand a post office established under

1 subsection (a) for the purpose of use described in para-  
2 graph (1) of this subsection.”.

3 **SEC. 1083. GUARANTEE OF RESIDENCY FOR SPOUSES OF**  
4 **MEMBERS OF UNIFORMED SERVICES.**

5 (a) IN GENERAL.—Title VI of the Servicemembers  
6 Civil Relief Act (50 U.S.C. 4021 et seq.) is amended by  
7 adding at the end the following new section:

8 **“SEC. 707. GUARANTEE OF RESIDENCY FOR SPOUSES OF**  
9 **SERVICEMEMBERS.**

10 “For the purposes of establishing the residency of a  
11 spouse of a servicemember for any purpose, the spouse of  
12 a servicemember may elect to use the same residence as  
13 the servicemember regardless of the date on which the  
14 marriage of the spouse and the servicemember occurred.”.

15 (b) CLERICAL AMENDMENT.—The table of contents  
16 in section 1(b) of such Act is amended by inserting after  
17 the item relating to section 706 the following new item:

“Sec. 707. Guarantee of residency for spouses of servicemembers.”.

18 **SEC. 1084. EXTENSION OF REQUIREMENT FOR BRIEFINGS**  
19 **ON THE NATIONAL BIODEFENSE STRATEGY.**

20 Section 1086(d) of the National Defense Authoriza-  
21 tion Act for Fiscal year 2017 (Public Law 114–328; 130  
22 Stat. 2423; 6 U.S.C. 104) is amended by striking “March  
23 1, 2019” and inserting “March 1, 2025”.

1 **SEC. 1085. EXTENSION OF NATIONAL COMMISSION ON MILI-**  
2 **TARY AVIATION SAFETY.**

3 (a) EXTENSION OF DEADLINE FOR REPORT.—Sec-  
4 tion 1087(h)(2) of the John S. McCain National Defense  
5 Authorization Act for Fiscal Year 2019 (Public Law 115–  
6 232; 132 Stat. 1995) is amended by striking “March 1,  
7 2020” and inserting “December 31, 2020”.

8 (b) CALENDAR YEAR 2020 FUNDING.—Of the  
9 amount authorized to be appropriated for fiscal year 2020  
10 for the Department of Defense by this Act, \$3,000,000  
11 shall be available for the National Commission on Aviation  
12 Safety under section 1087 of the John S. McCain National  
13 Defense Authorization Act for Fiscal Year 2019 in cal-  
14 endar year 2020.

15 **TITLE XI—CIVILIAN PERSONNEL**  
16 **MATTERS**

17 **SEC. 1101. MODIFICATION OF TEMPORARY ASSIGNMENTS**  
18 **OF DEPARTMENT OF DEFENSE EMPLOYEES**  
19 **TO A PRIVATE-SECTOR ORGANIZATION.**

20 Section 1599g(e)(2)(A) of title 10, United States  
21 Code, is amended by inserting “permanent” after “with-  
22 out the”.

1 **SEC. 1102. MODIFICATION OF NUMBER OF AVAILABLE AP-**  
2 **POINTMENTS FOR CERTAIN AGENCIES**  
3 **UNDER PERSONNEL MANAGEMENT AUTHOR-**  
4 **ITY TO ATTRACT EXPERTS IN SCIENCE AND**  
5 **ENGINEERING.**

6 Section 1599h(b)(1) of title 10, United States Code,  
7 is amended—

8 (1) in subparagraph (A), by striking “40” and  
9 inserting “10”; and

10 (2) in subparagraph (B), by striking “100” and  
11 inserting “130”.

12 **SEC. 1103. ONE-YEAR EXTENSION OF TEMPORARY AUTHOR-**  
13 **ITY TO GRANT ALLOWANCES, BENEFITS, AND**  
14 **GRATUITIES TO CIVILIAN PERSONNEL ON OF-**  
15 **FICIAL DUTY IN A COMBAT ZONE.**

16 Paragraph (2) of section 1603(a) of the Emergency  
17 Supplemental Appropriations Act for Defense, the Global  
18 War on Terror, and Hurricane Recovery, 2006 (Public  
19 Law 109–234; 120 Stat. 443), as added by section 1102  
20 of the Duncan Hunter National Defense Authorization  
21 Act for Fiscal Year 2009 (Public Law 110–417; 122 Stat.  
22 4616) and most recently amended by section 1115 of the  
23 John S. McCain National Defense Authorization Act for  
24 Fiscal Year 2019 (Public Law 115–232), is further  
25 amended by striking “2020” and inserting “2021”.

1 **SEC. 1104. ONE-YEAR EXTENSION OF AUTHORITY TO WAIVE**  
 2 **ANNUAL LIMITATION ON PREMIUM PAY AND**  
 3 **AGGREGATE LIMITATION ON PAY FOR FED-**  
 4 **ERAL CIVILIAN EMPLOYEES WORKING OVER-**  
 5 **SEAS.**

6 Subsection (a) of section 1101 of the Duncan Hunter  
 7 National Defense Authorization Act for Fiscal Year 2009  
 8 (Public Law 110–417; 122 Stat. 4615), as most recently  
 9 amended by section 1104(a) of the John S. McCain Na-  
 10 tional Defense Authorization Act for Fiscal Year 2019  
 11 (Public Law 115–232), is further amended by striking  
 12 “through 2019” and inserting “through 2020”.

13 **SEC. 1105. REIMBURSEMENT OF FEDERAL EMPLOYEES FOR**  
 14 **FEDERAL, STATE, AND LOCAL INCOME TAXES**  
 15 **INCURRED DURING TRAVEL, TRANSPOR-**  
 16 **TATION, AND RELOCATION.**

17 (a) IN GENERAL.—5724b of title 5, United States  
 18 Code, is amended—

19 (1) in the section heading by striking “**of em-**  
 20 **ployees transferred**”;

21 (2) in subsection (a)—

22 (A) in the first sentence, by striking “em-  
 23 ployee, or by an employee and such employee’s  
 24 spouse (if filing jointly), for any moving or stor-  
 25 age” and inserting “individual, or by an indi-  
 26 vidual and such individual’s spouse (if filing

1 jointly), for any travel, transportation, or relo-  
2 cation”; and

3 (B) in the second sentence, by striking  
4 “employee” and inserting “individual, or the in-  
5 dividual”; and

6 (3) by striking subsection (b) and inserting the  
7 following:

8 “(b) For purposes of this section, the term ‘travel,  
9 transportation, or relocation expenses’ means all travel,  
10 transportation, or relocation expenses reimbursed or fur-  
11 nished in kind pursuant to this subchapter or chapter  
12 41.”.

13 (b) TECHNICAL AND CONFORMING AMENDMENT.—  
14 The table of sections for chapter 57 of title 5, United  
15 States Code, is amended by striking the item relating to  
16 section 5724b and inserting the following:

“5724b. Taxes on reimbursements for travel, transportation, and relocation ex-  
penses.”.

17 (c) EFFECTIVE DATE.—The amendments made by  
18 this section shall—

19 (1) take effect on the date of the enactment of  
20 this Act; and

21 (2) apply to travel, transportation, or relocation  
22 expenses incurred on or after that date.

1 **TITLE XII—MATTERS RELATING**  
2 **TO FOREIGN NATIONS**  
3 **Subtitle A—Assistance and**  
4 **Training**

5 **SEC. 1201. EXTENSION OF SUPPORT OF SPECIAL OPER-**  
6 **ATIONS FOR IRREGULAR WARFARE.**

7 Section 1202(a) of the National Defense Authoriza-  
8 tion Act for Fiscal Year 2018 (Public Law 115–91; 131  
9 Stat. 1639) is amended by striking “fiscal years 2018  
10 through 2020” and inserting “fiscal years 2020 through  
11 2025”.

12 **SEC. 1202. EXTENSION OF AUTHORITY FOR CROSS SERV-**  
13 **ICING AGREEMENTS FOR LOAN OF PER-**  
14 **SONNEL PROTECTION AND PERSONNEL SUR-**  
15 **VIVABILITY EQUIPMENT IN COALITION OPER-**  
16 **ATIONS.**

17 Section 1207(e) of the Carl Levin and Howard P.  
18 “Buck” McKeon National Defense Authorization Act for  
19 Fiscal Year 2015 (10 U.S.C. 2342 note) is amended by  
20 striking “September 30, 2019” and inserting “September  
21 30, 2024”.

1 **SEC. 1203. TWO-YEAR EXTENSION OF PROGRAM AUTHORITY**  
2 **FOR GLOBAL SECURITY CONTINGENCY FUND.**

3 Section 1207 of the National Defense Authorization  
4 Act for Fiscal Year 2012 (22 U.S.C. 2151 note) is amend-  
5 ed—

6 (1) in subsection (i)(1), by striking “September  
7 30, 2019” and inserting “September 30, 2021”; and

8 (2) in subsection (o)—

9 (A) in the first sentence, by striking “Sep-  
10 tember 30, 2019” and inserting “September 30,  
11 2021”; and

12 (B) in the second sentence, by striking  
13 “through 2019” and inserting “through 2021”.

14 **SEC. 1204. MODIFICATION OF REPORTING REQUIREMENT**  
15 **FOR USE OF FUNDS FOR SECURITY CO-**  
16 **OPERATION PROGRAMS AND ACTIVITIES.**

17 Section 381(b) of title 10, United States Code, is  
18 amended by striking “30 days” and inserting “60 days”.

19 **SEC. 1205. INSTITUTIONAL LEGAL CAPACITY BUILDING INI-**  
20 **TIATIVE FOR FOREIGN DEFENSE FORCES.**

21 (a) AUTHORIZATION.—The Secretary of Defense may  
22 carry out, consistent with section 332 of title 10, United  
23 States Code, an initiative of institutional legal capacity  
24 building in collaboration with the appropriate institutions  
25 of one or more foreign countries to enhance the capacity  
26 of the applicable foreign country to organize, administer,

1 manage, maintain, sustain, or oversee the military legal  
2 institutions of such country.

3 (b) PURPOSE.—The purpose of the initiative under  
4 subsection (a) is to enhance, as appropriate, the institu-  
5 tional legal capacity of the applicable foreign country to  
6 do the following:

7 (1) Integrate legal matters into the authority,  
8 doctrine, and policies of the defense ministry of such  
9 country.

10 (2) Provide appropriate legal support to com-  
11 manders conducting military operations.

12 (3) With respect to military law, institutionalize  
13 education, training, and professional development for  
14 military personnel, including military lawyers, offi-  
15 cers, and civilian leadership within such defense  
16 ministry.

17 (4) Establish a military justice system that is  
18 objective, transparent, and impartial.

19 (5) Build the legal capacity of military forces to  
20 provide equitable, transparent, and accountable in-  
21 stitutions and provide for anti-corruption measures  
22 within such defense ministry.

23 (6) Build capacity—

1 (A) to provide for the protection of civil-  
2 ians consistent with the law of armed conflict;  
3 and

4 (B) to investigate incidents of civilian cas-  
5 ualties.

6 (7) Promote understanding and observance of—

7 (A) the law of armed conflict;

8 (B) human rights and fundamental free-  
9 doms;

10 (C) the rule of law; and

11 (D) civilian control of the military.

12 (c) ELEMENTS.—The initiative under subsection (a)  
13 shall include the following elements:

14 (1) An assessment of the organizational weak-  
15 nesses for institutional legal capacity building of the  
16 applicable foreign country, including baseline infor-  
17 mation, an assessment of gaps in the capability and  
18 capacity of the appropriate institutions of such coun-  
19 try, and any other indicator of efficacy for purposes  
20 of monitoring and evaluation, as determined by the  
21 Secretary.

22 (2) A multi-year engagement plan for building  
23 institutional capacity that addresses the weaknesses  
24 identified under paragraph (1), including objectives,  
25 milestones, and a timeline.

1           (3) The assignment of advisors, as appropriate,  
2           to the ministry of defense or other institutions of  
3           such country to assist in building core legal institu-  
4           tional capacity, competencies, and capabilities.

5           (4) A measure for monitoring the implementa-  
6           tion of the initiative and evaluating the efficiency  
7           and effectiveness of the initiative, consistent with  
8           section 383 of title 10, United States Code.

9           (d) REPORTS.—

10           (1) IN GENERAL.—Not later than 30 days after  
11           the end of each fiscal year beginning in fiscal year  
12           2020 through the fiscal year in which the initiative  
13           under subsection (a) terminates, the Secretary shall  
14           submit to the Committee on Armed Services of the  
15           Senate and the Committee on Armed Services of the  
16           House of Representatives a report on the progress of  
17           the legal capacity building activities under this sec-  
18           tion.

19           (2) MATTERS TO BE INCLUDED.—Each report  
20           under paragraph (1) shall include, for the preceding  
21           fiscal year, the following:

22                   (A) The names of the one or more coun-  
23                   tries in which the initiative was conducted.

24                   (B) For each such country—

25                           (i) the purpose of the initiative;

1 (ii) the objectives, milestones, and  
2 timeline of the initiative;

3 (iii) the number and type of advisors  
4 assigned and deployed to the country, as  
5 applicable;

6 (iv) an assessment of the progress of  
7 the implementation of the initiative; and

8 (v) an evaluation of the efficiency and  
9 effectiveness of the initiative.

10 (e) SUNSET.—The initiative under subsection (a)  
11 shall terminate on the date that is five years after the date  
12 of the enactment of this Act.

13 **SEC. 1206. DEPARTMENT OF DEFENSE SUPPORT FOR STA-**  
14 **BILIZATION ACTIVITIES IN NATIONAL SECU-**  
15 **RITY INTEREST OF THE UNITED STATES.**

16 (a) IN GENERAL.—The Secretary of Defense may,  
17 with the concurrence of the Secretary of State and in con-  
18 sultation with the Administrator of the United States  
19 Agency for International Development, provide support for  
20 the stabilization activities of other Federal agencies speci-  
21 fied under subsection (c).

22 (b) DESIGNATION OF FOREIGN AREAS.—

23 (1) IN GENERAL.—Amounts authorized to be  
24 provided pursuant to this section shall be available  
25 only for support for stabilization activities—

1 (A) in a country specified in paragraph  
2 (2); and

3 (B) that the Secretary of Defense, with the  
4 concurrence of the Secretary of State, has de-  
5 termined are in the national security interest of  
6 the United States.

7 (2) SPECIFIED COUNTRIES.—The countries  
8 specified in this paragraph are as follows:

9 (A) Iraq.

10 (B) Syria.

11 (C) Afghanistan.

12 (D) Somalia.

13 (E) Yemen.

14 (F) Libya.

15 (c) SUPPORT TO OTHER AGENCIES.—

16 (1) IN GENERAL.—Support may be provided for  
17 stabilization activities under subsection (a) to the  
18 Department of State, the United States Agency for  
19 International Development, or other Federal agen-  
20 cies, on a reimbursable or nonreimbursable basis.

21 (2) TYPE OF SUPPORT.—Support under sub-  
22 section (a) may consist of—

23 (A) logistic support, supplies, and services;

24 and

25 (B) equipment.

1 (d) REQUIREMENT FOR A STABILIZATION STRAT-  
2 EGY.—

3 (1) LIMITATION.—With respect to any country  
4 specified in subsection (b)(2), no amount of support  
5 may be provided under subsection (a) until 15 days  
6 after the date on which the Secretary of Defense,  
7 with the concurrence of the Secretary of State, sub-  
8 mits to the appropriate committees of Congress a  
9 detailed report setting forth a stabilization strategy  
10 for such country.

11 (2) ELEMENTS OF STRATEGY.—The stabiliza-  
12 tion strategy required by paragraph (1) shall set  
13 forth the following:

14 (A) The United States interests in con-  
15 ducting stabilization activities in the country  
16 specified in subsection (b)(2).

17 (B) The key foreign partners and actors in  
18 such country.

19 (C) The desired end states and objectives  
20 of the United States stabilization activities in  
21 such country.

22 (D) The Department of Defense support  
23 intended to be provided for the stabilization ac-  
24 tivities of other Federal agencies under sub-  
25 section (a).

1           (E) Any mechanism for civil-military co-  
2           ordination regarding support for stabilization  
3           activities.

4           (F) The mechanisms for monitoring and  
5           evaluating the effectiveness of Department of  
6           Defense support for United States stabilization  
7           activities in the area.

8           (e) IMPLEMENTATION IN ACCORDANCE WITH GUID-  
9           ANCE.—Support provided under subsection (a) shall be  
10          implemented in accordance with the guidance of the De-  
11          partment of Defense entitled “DoD Directive 3000.05  
12          Stabilization”, dated December 13, 2018 (or successor  
13          guidance).

14          (f) REPORT.—The Secretary of Defense, with the  
15          concurrence of the Secretary of State, shall submit to the  
16          appropriate committees of Congress on an annual basis  
17          a report that includes the following:

18               (1) The identification of each foreign area with-  
19               in countries specified in subsection (b)(2) for which  
20               support to stabilization has occurred.

21               (2) The total amount spent by the Department  
22               of Defense, broken out by recipient Federal agency  
23               and activity.

24               (3) An assessment of the contribution of each  
25               activity toward greater stability.

1           (4) An articulation of any plans for continued  
2 Department of Defense support to stabilization in  
3 the specified foreign area in order to maintain or im-  
4 prove stability.

5           (5) Other matters as the Secretary of Defense  
6 considers to be appropriate.

7 (g) USE OF FUNDS.—

8           (1) SOURCE OF FUNDS.—Amounts for activities  
9 carried out under this section in a fiscal year shall  
10 be derived only from amounts authorized to be ap-  
11 propriated for such fiscal year for the Department  
12 of Defense for Operation and Maintenance, Defense-  
13 wide.

14           (2) LIMITATION.—Not more than \$25,000,000  
15 in each fiscal year is authorized to be used to pro-  
16 vide nonreimbursable support under this section.

17 (h) EXPIRATION.—The authority provided under this  
18 section may not be exercised after December 31, 2020.

19 (i) DEFINITIONS.—In this section:

20           (1) APPROPRIATE COMMITTEES OF CON-  
21 GRESS.—The term “appropriate committees of Con-  
22 gress” means—

23                   (A) the Committee on Armed Services and  
24 the Committee on Foreign Relations of the Sen-  
25 ate; and

1 (B) the Committee on Armed Services and  
2 the Committee on Foreign Affairs of the House  
3 of Representatives.

4 (2) LOGISTIC SUPPORT, SUPPLIES, AND SERV-  
5 ICES.—The term “logistic support, supplies, and  
6 services” has the meaning given the term in section  
7 2350(1) of title 10 United States Code.

8 **Subtitle B—Matters Relating to**  
9 **Afghanistan and Pakistan**

10 **SEC. 1211. EXTENSION OF AUTHORITY TO TRANSFER DE-**  
11 **FENSE ARTICLES AND PROVIDE DEFENSE**  
12 **SERVICES TO THE MILITARY AND SECURITY**  
13 **FORCES OF AFGHANISTAN.**

14 (a) EXTENSION.—Subsection (h) of section 1222 of  
15 the National Defense Authorization Act for Fiscal Year  
16 2013 (Public Law 112–239; 126 Stat. 1992), as most re-  
17 cently amended by section 1221 of the John S. McCain  
18 National Defense Authorization Act for Fiscal Year 2019  
19 (Public Law 115–232), is further amended by striking  
20 “December 31, 2020” and inserting “December 31,  
21 2021”.

22 (b) EXCESS DEFENSE ARTICLES.—Subsection (i)(2)  
23 of such section 1222, as so amended, is further amended  
24 by striking “December 31, 2020” each place it appears  
25 and inserting “December 31, 2021”.

1 **SEC. 1212. AFGHANISTAN SECURITY FORCES FUND.**

2 (a) AUTHORIZATION OF APPROPRIATIONS.—There is  
3 authorized to be appropriated for fiscal year 2020 for the  
4 Afghanistan Security Forces Fund, as established by sec-  
5 tion 1513 of the National Defense Authorization Act for  
6 Fiscal Year 2008 (Public Law 110–181; 122 Stat. 428),  
7 as most recently amended by section 1223(b) of the John  
8 S. McCain National Defense Authorization Act for Fiscal  
9 Year 2019 (Public Law 115–232), \$4,803,978,000.

10 (b) CONTINUATION OF PRIOR AUTHORITIES AND NO-  
11 TICE AND REPORTING REQUIREMENTS.—Funds available  
12 to the Department of Defense for the Afghanistan Secu-  
13 rity Forces Fund for fiscal year 2020 shall be subject to  
14 the conditions contained in subsections (b) through (f) of  
15 such section 1513.

16 (c) USE OF FUNDS.—

17 (1) TYPE OF ASSISTANCE.—Subsection (b)(2)  
18 of such section 1513 is amended by inserting “(in-  
19 cluding program and security assistance manage-  
20 ment support)” after “services”.

21 (d) EQUIPMENT DISPOSITION.—

22 (1) ACCEPTANCE OF CERTAIN EQUIPMENT.—  
23 Subject to paragraph (2), the Secretary of Defense  
24 may accept equipment that is procured using  
25 amounts authorized to be appropriated for the Af-  
26 ghanistan Security Forces Fund by this Act and is

1 intended for transfer to the security forces of Af-  
2 ghanistan, but is not accepted by such security  
3 forces.

4 (2) CONDITIONS ON ACCEPTANCE OF EQUIP-  
5 MENT.—Before accepting any equipment under  
6 paragraph (1), the Commander of United States  
7 forces in Afghanistan shall make a determination  
8 that the equipment was procured for the purpose of  
9 meeting requirements of the security forces of Af-  
10 ghanistan, as agreed to by both the Government of  
11 Afghanistan and the United States, but is no longer  
12 required by such security forces or was damaged be-  
13 fore transfer to such security forces.

14 (3) ELEMENTS OF DETERMINATION.—In mak-  
15 ing a determination under paragraph (2), the Com-  
16 mander of United States forces in Afghanistan shall  
17 consider alternatives to acceptance of the equipment  
18 by the Secretary. An explanation of each determina-  
19 tion, including the basis for the determination and  
20 the alternatives considered, shall be included in the  
21 relevant quarterly report under paragraph (5).

22 (4) TREATMENT AS DEPARTMENT OF DEFENSE  
23 STOCKS.—Equipment accepted under paragraph (1)  
24 may be treated as stocks of the Department of De-

1 fense upon notification to the congressional defense  
2 committees of such treatment.

3 (5) QUARTERLY REPORTS ON EQUIPMENT DIS-  
4 POSITION.—

5 (A) IN GENERAL.—Not later than 90 days  
6 after the date of the enactment of this Act, and  
7 every 90-day period thereafter during which the  
8 authority provided by paragraph (1) is exer-  
9 cised, the Secretary shall submit to the congress-  
10 sional defense committees a report describing  
11 the equipment accepted during the period cov-  
12 ered by such report under the following:

13 (i) This subsection.

14 (ii) Section 1531(d) of the National  
15 Defense Authorization Act for Fiscal Year  
16 2014 (Public Law 113–66; 127 Stat. 938;  
17 10 U.S.C. 2302 note).

18 (iii) Section 1532(b) of the Carl Levin  
19 and Howard P. “Buck” McKeon National  
20 Defense Authorization Act for Fiscal Year  
21 2015 (Public Law 113–291; 128 Stat.  
22 3612).

23 (B) ELEMENTS.—Each report under sub-  
24 paragraph (A) shall include a list of all equip-  
25 ment accepted during the period covered by the

1 report and treated as stocks of the Department  
2 of Defense and copies of the determinations  
3 made under paragraph (2), as required by para-  
4 graph (3).

5 (e) SECURITY OF AFGHAN WOMEN.—

6 (1) IN GENERAL.—Of the funds available to the  
7 Department of Defense for the Afghanistan Security  
8 Forces Fund for fiscal year 2020, it is the goal that  
9 \$25,000,000, but in no event less than \$10,000,000,  
10 shall be used for—

11 (A) the recruitment, integration, retention,  
12 training, and treatment of women in the Af-  
13 ghan National Defense and Security Forces;  
14 and

15 (B) the recruitment, training, and con-  
16 tracting of female security personnel for future  
17 elections.

18 (2) TYPES OF PROGRAMS AND ACTIVITIES.—

19 Such programs and activities may include—

20 (A) efforts to recruit women into the Af-  
21 ghan National Defense and Security Forces, in-  
22 cluding the special operations forces;

23 (B) programs and activities of the Afghan  
24 Ministry of Defense Directorate of Human  
25 Rights and Gender Integration and the Afghan

1 Ministry of Interior Office of Human Rights,  
2 Gender, and Child Rights;

3 (C) development and dissemination of gen-  
4 der and human rights educational and training  
5 materials and programs within the Afghan Min-  
6 istry of Defense and the Afghan Ministry of In-  
7 terior;

8 (D) efforts to address harassment and vio-  
9 lence against women within the Afghan Na-  
10 tional Defense and Security Forces;

11 (E) improvements to infrastructure that  
12 address the requirements of women serving in  
13 the Afghan National Defense and Security  
14 Forces, including appropriate equipment for fe-  
15 male security and police forces, and transpor-  
16 tation for policewomen to their station;

17 (F) support for Afghan National Police  
18 Family Response Units; and

19 (G) security provisions for high-profile fe-  
20 male police and army officers.

21 (f) ASSESSMENT OF EFFORTS TO BUILD CAPACITY  
22 IN THE AFGHAN NATIONAL DEFENSE AND SECURITY  
23 FORCES.—

24 (1) ASSESSMENT REQUIRED.—Not later than  
25 90 days after the date of the enactment of this Act,

1 the Secretary of Defense, in coordination with the  
2 Secretary of State, shall submit to the Committee on  
3 Armed Services of the Senate and the Committee on  
4 Armed Services of the House of Representatives an  
5 assessment that describes the following:

6 (A) The integrated capacity development  
7 strategies for—

8 (i) the Ministry of Defense and the  
9 Ministry of Interior of Afghanistan; and

10 (ii) the North Atlantic Treaty Organi-  
11 zation-led Train Advise Assist Commands  
12 and Task Forces at the national and re-  
13 gional levels in Afghanistan.

14 (B) An articulation of the key capabilities  
15 to be developed and improved with respect to  
16 the Ministry of Defense, the Ministry of Inte-  
17 rior, and the North Atlantic Treaty Organi-  
18 zation-led Train Advise Assist Commands and  
19 Task Forces, and the overall plan (including  
20 timeframes, budgets, and specific initiatives) to  
21 achieve the intended outcomes.

22 (C) The specific roles of Department of  
23 Defense-funded advisors in building the capac-  
24 ity of the Ministry of Defense and the Ministry  
25 of Interior of Afghanistan and the Afghan Na-

1           tional Defense and Security Forces at the na-  
2           tional and regional levels, and the manner in  
3           which such roles align with the development  
4           strategy referred to in subparagraph (A).

5           (D) The metrics used to assess progress on  
6           the recruitment, integration, retention, training,  
7           and treatment of women in the Afghan Na-  
8           tional Defense and Security Forces, and a  
9           progress report on such recruitment, integra-  
10          tion, retention, training, and treatment.

11          (E) An explanation of the assessment,  
12          monitoring, and evaluation mechanisms in place  
13          to assess the relevance, effectiveness, and sus-  
14          tainability of each specific initiative and  
15          progress made toward the intended outcomes  
16          identified under subparagraph (B).

17          (F) Any other matter the Secretary con-  
18          siders appropriate.

19 **SEC. 1213. EXTENSION OF COMMANDERS' EMERGENCY RE-**  
20 **SPONSE PROGRAM.**

21          Section 1201 of the National Defense Authorization  
22          Act for Fiscal Year 2012 (Public Law 112–81; 125 Stat.  
23          1619), as most recently amended by the John S. McCain  
24          National Defense Authorization Act for Fiscal Year 2019  
25          (Public Law 115–232), is further amended—

1 (1) in subsection (a), by striking “December  
2 31, 2019” and inserting “December 31, 2020”;

3 (2) in subsection (b), by striking “of fiscal  
4 years 2017 through 2019” and inserting “for each  
5 of fiscal years 2017 through 2020”; and

6 (3) in subsection (f), in the first sentence, by  
7 striking “December 31, 2019” and inserting “De-  
8 cember 31, 2020”.

9 **SEC. 1214. EXTENSION AND MODIFICATION OF REIMBURSE-**  
10 **MENT OF CERTAIN COALITION NATIONS FOR**  
11 **SUPPORT PROVIDED TO UNITED STATES**  
12 **MILITARY OPERATIONS.**

13 Section 1233(a) of the National Defense Authoriza-  
14 tion Act for Fiscal Year 2008 (Public Law 110–181; 122  
15 Stat. 393), as most recently amended by section 1225 of  
16 the John S. McCain National Defense Authorization Act  
17 for Fiscal Year 2019 (Public Law 115–232), is further  
18 amended to read as follows:

19 “(a) **AUTHORITY.**—From funds made available for  
20 the Department of Defense for the period beginning on  
21 October 1, 2019, and ending on December 31, 2020, for  
22 overseas contingency operations for operation and mainte-  
23 nance, Defense-wide activities, the Secretary of Defense  
24 may reimburse any key cooperating nation (other than  
25 Pakistan) for—

1           “(1) logistical and military support provided by  
2           that nation to or in connection with United States  
3           military operations in Afghanistan, Iraq, or Syria;  
4           and

5           “(2) logistical, military, and other support, in-  
6           cluding access, provided by that nation to or in con-  
7           nection with United States military operations de-  
8           scribed in paragraph (1).”.

9   **SEC. 1215. SUPPORT FOR RECONCILIATION ACTIVITIES**

10                   **LED BY THE GOVERNMENT OF AFGHANISTAN.**

11           (a) **IN GENERAL.**—The Secretary of Defense may,  
12           with the concurrence of the Secretary of State, provide  
13           covered support for reconciliation activities to one or more  
14           designated persons or entities or Federal agencies.

15           (b) **DESIGNATION.**—Not later than 15 days before  
16           the Secretary of Defense designates an individual or orga-  
17           nization as a designated person or entity, the Secretary  
18           shall notify the congressional defense committees of the  
19           intent of the Secretary to make such designation.

20           (c) **REIMBURSEMENT.**—

21                   (1) **DESIGNATED PERSONS OR ENTITIES.**—The  
22           Secretary of Defense may provide covered support to  
23           a designated person or entity on a reimbursable or  
24           nonreimbursable basis.

1           (2) FEDERAL AGENCIES.—The Secretary of De-  
2       fense may provide covered support to a Federal  
3       agency on a reimbursable or nonreimbursable basis.

4       (d) LOCATION OF COVERED SUPPORT.—

5           (1) IN GENERAL.—Except as provided in para-  
6       graph (2), the Secretary of Defense may only pro-  
7       vide covered support within Afghanistan.

8           (2) EXCEPTION.—Notwithstanding paragraph  
9       (1), the Secretary of Defense may provide covered  
10      support in Pakistan if the Secretary determines, and  
11      certifies to the congressional defense committees,  
12      that providing covered support in Pakistan is in the  
13      national security interest of the United States.

14      (e) NOTIFICATION.—Not later than 15 days before  
15      the date on which the Secretary of Defense provides cov-  
16      ered support to a nongovernmental designated person or  
17      entity or provides covered support in Pakistan, the Sec-  
18      retary shall submit to the congressional defense commit-  
19      tees written notice that includes the intended recipient of  
20      such covered support and the specific covered support to  
21      be provided.

22      (f) FUNDING.—

23           (1) SOURCE OF FUNDS.—Amounts for covered  
24      support may only be derived from amounts author-

1        ized to be appropriated for the Department of De-  
2        fense for operation and maintenance.

3            (2) LIMITATION.—Not more than \$15,000,000  
4        may be used for nonreimbursable covered support.

5        (g) RULE OF CONSTRUCTION.—Covered support  
6        shall not be construed to violate section 2339, 2339A, or  
7        2339B of title 18, United States Code.

8        (h) REPORTS.—

9            (1) IN GENERAL.—Not later than 90 days after  
10       the date of the enactment of this Act, and quarterly  
11       thereafter, the Secretary of Defense shall, in coordi-  
12       nation with the Secretary of State, submit to the  
13       congressional defense committees a report on cov-  
14       ered support during the preceding 90-day period.

15           (2) ELEMENTS.—Each report under this sub-  
16       section shall include, for the preceding reporting pe-  
17       riod, the following:

18            (A) A summary of the ongoing reconcili-  
19       ation activities for which covered support was  
20       provided.

21            (B) A description of the covered support,  
22       by class or type, and the designated person or  
23       entity or Federal agency that received each  
24       class or type of covered support.

1           (C) The total dollar amount of each class  
2           or type of covered support, including budget de-  
3           tails.

4           (D) The intended duration of each provi-  
5           sion of covered support.

6           (E) Any other matter the Secretary of De-  
7           fense considers appropriate.

8           (i) SUNSET.—The authority to carry out this section  
9           shall terminate on December 31, 2020.

10          (j) DEFINITIONS.—In this section:

11           (1) COVERED SUPPORT.—The term “covered  
12           support” means logistic support, supplies, and serv-  
13           ices (as defined in section 2350 of title 10, United  
14           States Code) and security provided under this sec-  
15           tion.

16           (2) DESIGNATED PERSON OR ENTITY.—

17           (A) IN GENERAL.—The term “designated  
18           person or entity” means an individual or orga-  
19           nization designated by the Secretary of Defense  
20           as necessary to facilitate a reconciliation activ-  
21           ity.

22           (B) EXCLUSION.—The term “designated  
23           person or entity” does not include a Federal  
24           agency.

1           (3) RECONCILIATION ACTIVITY.—The term  
2           “reconciliation activity” means any activity intended  
3           to support, facilitate, or enable a political settlement  
4           between the Government of Afghanistan and the  
5           Taliban for the purpose of ending the war in Af-  
6           ghanistan.

7           (4) SECURITY.—The term “security” means  
8           any measure determined by the Secretary of Defense  
9           to be necessary to protect reconciliation activities  
10          from hostile acts.

11 **SEC. 1216. SENSE OF SENATE ON SPECIAL IMMIGRANT VISA**  
12                                   **PROGRAM FOR AFGHAN ALLIES.**

13          It is the sense of the Senate that—

14           (1) the special immigrant visa program for Af-  
15           ghan allies is critical to the mission in Afghanistan  
16           and the long-term interests of the United States;

17           (2) maintaining a robust special immigrant visa  
18           program for Afghan allies is necessary to support  
19           United States Government personnel in Afghanistan  
20           who need translation, interpretation, security, and  
21           other services;

22           (3) Afghan allies routinely risk their lives to as-  
23           sist United States military and diplomatic personnel;

24           (4) honoring the commitments made to Afghan  
25           allies with respect to such special immigrant visa

1 program is essential to ensuring the continued serv-  
2 ice and safety of such allies; and

3 (5) an additional 4,000 visas should be made  
4 available to principal aliens who are eligible for spe-  
5 cial immigrant status under the Afghan Allies Pro-  
6 tection Act of 2009 (8 U.S.C. 1101 note) to prevent  
7 harm to the operations of the United States Govern-  
8 ment in Afghanistan.

## 9 **Subtitle C—Matters Relating to** 10 **Syria, Iraq, and Iran**

### 11 **SEC. 1221. MODIFICATION OF AUTHORITY TO PROVIDE AS-** 12 **SISTANCE TO VETTED SYRIAN GROUPS.**

13 (a) NATURE OF ASSISTANCE.—Subsection (a) of sec-  
14 tion 1209 of the Carl Levin and Howard P. “Buck”  
15 McKeon National Defense Authorization Act for Fiscal  
16 Year 2015 (Public Law 113–291; 128 Stat. 3541), as  
17 most recently amended by section 1231(a) of the John S.  
18 McCain National Defense Authorization Act for Fiscal  
19 Year 2019 (Public Law 115–232), is further amended—

20 (1) in the matter preceding paragraph (1), by  
21 striking “with a cost” and all that follows through  
22 “December 31, 2019” and inserting “, and  
23 sustainment to appropriately vetted Syrian groups  
24 and individuals, through December 31, 2020”;

1           (2) in paragraph (1), by striking “Islamic State  
2 of Iraq and the Levant” and all that follows through  
3 the period at the end and inserting the following:  
4 “Islamic State of Iraq and Syria (ISIS).”; and

5           (3) by striking paragraphs (2) and (3) and in-  
6 serting the following new paragraphs:

7           “(2) Securing territory formerly controlled by  
8 the Islamic State of Iraq and Syria.

9           “(3) Protecting the United States and its  
10 friends and allies from the threats posed by the Is-  
11 lamic State of Iraq and Syria, al Qaeda, and associ-  
12 ated forces in Syria.

13           “(4) Supporting the temporary detention and  
14 repatriation of Islamic State of Iraq and Syria for-  
15 eign terrorist fighters in accordance with the laws of  
16 armed conflict and the United Nations Convention  
17 Relating to the Status of Refugees, done at Geneva  
18 July 28, 1951 (as made applicable by the Protocol  
19 Relating to the Status of Refugees, done at New  
20 York January 31, 1967 (19 UST 6223)).”.

21           (b) SCOPE OF QUARTERLY PROGRESS REPORTS.—  
22 Subsection (d) of such section, as most recently amended  
23 by section 1223(b) of the National Defense Authorization  
24 Act for Fiscal Year 2018 (Public Law 115–91; 131 Stat.  
25 1653), is further amended to read as follows:

1 “(d) QUARTERLY PROGRESS REPORTS.—

2 “(1) IN GENERAL.—Beginning on January 15,  
3 2020, and every 90 days thereafter, the Secretary of  
4 Defense, in coordination with the Secretary of State,  
5 shall submit to the appropriate congressional com-  
6 mittees and leadership of the House of Representa-  
7 tives and the Senate a progress report.

8 “(2) MATTERS TO BE INCLUDED.—Each  
9 progress report under paragraph (1) shall include,  
10 based on the most recent quarterly information, the  
11 following:

12 “(A) A description of the appropriately  
13 vetted recipients receiving assistance under sub-  
14 section (a).

15 “(B) A description of training, equipment,  
16 supplies, stipends, and other support provided  
17 to appropriately vetted recipients under sub-  
18 section (a) and a statement of the amount of  
19 funds expended for such purposes during the  
20 period covered by the report.

21 “(C) Any misuse or loss of provided train-  
22 ing and equipment and how such misuse or loss  
23 is being mitigated.

1           “(D) An assessment of the recruitment,  
2 throughput, and retention rates of appropriately  
3 vetted recipients.

4           “(E) An assessment of the operational ef-  
5 fectiveness of appropriately vetted recipients in  
6 meeting the purposes specified in subsection  
7 (a).

8           “(F) A description of United States Gov-  
9 ernment stabilization objectives and activities  
10 carried out in areas formerly controlled by the  
11 Islamic State of Iraq and Syria, including sig-  
12 nificant projects and funding associated with  
13 such projects.

14           “(G) A description of coalition contribu-  
15 tions to the purposes specified in subsection (a)  
16 and other related stabilization activities.

17           “(H) With respect to Islamic State of Iraq  
18 and Syria foreign terrorist fighters—

19                   “(i) an estimate of the number of  
20 such individuals being detained by appro-  
21 priately vetted Syrian groups and individ-  
22 uals;

23                   “(ii) an estimate of the number of  
24 such individuals that have been repatriated

1                   and the countries to which such individuals  
2                   have been repatriated; and

3                   “(iii) a description of United States  
4                   Government support provided to facilitate  
5                   the repatriation of such individuals.

6                   “(I) An assessment of the extent to which  
7                   appropriately vetted Syrian groups and individ-  
8                   uals have enabled progress toward establishing  
9                   inclusive, representative, accountable, and civil-  
10                  ian-led governance and security structures in  
11                  territories liberated from the Islamic State of  
12                  Iraq and Syria.”.

13                  (c) ELIMINATION OF REPROGRAMMING REQUIRE-  
14                  MENT.—Such section is further amended by striking sub-  
15                  section (f).

16                  (d) INCLUSION OF SUPPORT FOR STABILIZATION AC-  
17                  TIVITIES.—Such section is further amended by inserting  
18                  after subsection (e) the following new subsection (f):

19                  “(f) SUPPORT FOR STABILIZATION ACTIVITIES.—

20                         “(1) IN GENERAL.—The Secretary of Defense  
21                         may, with the concurrence of the Secretary of State  
22                         and in consultation with the Administrator of the  
23                         United States Agency for International Develop-  
24                         ment, provide support for the stabilization activities  
25                         of the Department of State, the United States Agen-

1 cy for International Development, and any other  
2 Federal agency on a reimbursable or  
3 nonreimbursable basis.

4 “(2) TYPES OF SUPPORT.—The support pro-  
5 vided under paragraph (1) may consist of—

6 “(A) logistic support, supplies, and serv-  
7 ices; or

8 “(B) equipment.”.

9 (e) PER PROJECT AND AGGREGATE COST LIMITA-  
10 TIONS FOR CONSTRUCTION AND REPAIR PROJECTS.—  
11 Subsection (l) of such section, as added by section 1223(d)  
12 of the National Defense Authorization Act for Fiscal Year  
13 2018 (Public Law 115–91; 131 Stat. 1653), is amended  
14 to read as follows:

15 “(l) LIMITATION ON COST OF CONSTRUCTION AND  
16 REPAIR PROJECTS.—

17 “(1) IN GENERAL.—The cost of construction  
18 and repair projects carried out under this section  
19 may not exceed, in any fiscal year—

20 “(A) \$4,000,000 per project; or

21 “(B) \$12,000,000 in the aggregate.

22 “(2) FOREIGN CONTRIBUTIONS.—The limita-  
23 tion under paragraph (1) shall not apply to the ex-  
24 penditure of foreign contributions in excess of the

1 per-project or aggregate limitation set forth in that  
2 paragraph.”.

3 (f) INCLUSION OF LIMITATION PENDING REPORT.—

4 Such section is further amended by adding at the end the  
5 following new subsection:

6 “(n) LIMITATION PENDING REPORT.—None of the  
7 funds authorized to be appropriated for fiscal year 2020  
8 for the Department of Defense may be obligated or ex-  
9 pended for activities under this section until 30 days after  
10 the date on which the Secretary of Defense submits an  
11 unclassified report, with a classified annex if necessary,  
12 to the congressional defense committees setting forth the  
13 following:

14 “(1) A description of the efforts the United  
15 States will undertake to train and equip appro-  
16 priately vetted Syrian groups and individuals for the  
17 purposes described in subsection (a).

18 “(2) A detailed description of the appropriately  
19 vetted Syrian groups and individuals to be trained  
20 and equipped under this section, including a descrip-  
21 tion of their geographical locations, demographic  
22 profiles, political affiliations, and current capabili-  
23 ties.

24 “(3) A detailed description of planned capabili-  
25 ties, including categories of training, equipment, fi-

1 nancial support, sustainment, and supplies, intended  
2 to be provided to appropriately vetted Syrian groups  
3 and individuals under this section, and timelines for  
4 delivery.

5 “(4) A description of the planned posture of  
6 United States forces and the planned level of en-  
7 gagement by such forces with appropriately vetted  
8 Syrian groups and individuals, including the over-  
9 sight of equipment provided under this section and  
10 the activities conducted by such appropriately vetted  
11 Syrian groups and individuals.

12 “(5) An explanation of the processes and mech-  
13 anisms for local commanders of such forces to exer-  
14 cise command and control of the elements of the ap-  
15 propriately vetted Syrian groups and individuals  
16 after such elements have been trained and equipped  
17 under this section.

18 “(6) A detailed explanation of the relationship  
19 between appropriately vetted recipients and civilian  
20 governance authorities and a description of efforts to  
21 ensure appropriately vetted recipients are subject to  
22 the control of competent civilian authorities.”.

1 **SEC. 1222. EXTENSION OF AUTHORITY AND LIMITATION ON**  
2 **USE OF FUNDS TO PROVIDE ASSISTANCE TO**  
3 **COUNTER THE ISLAMIC STATE OF IRAQ AND**  
4 **SYRIA.**

5 (a) **EXTENSION.**—Subsection (a) of section 1236 of  
6 the Carl Levin and Howard P. “Buck” McKeon National  
7 Defense Authorization Act for Fiscal Year 2015 (Public  
8 Law 113–291; 128 Stat. 3559), as most recently amended  
9 by section 1233(a) of the John S. McCain National De-  
10 fense Authorization Act for Fiscal Year 2019 (Public Law  
11 115–232), is further amended by striking “December 31,  
12 2020” and inserting “December 31, 2021”.

13 (b) **FUNDING.**—Subsection (g) of such section, as  
14 most recently amended by section 1233(b) of the John S.  
15 McCain National Defense Authorization Act for Fiscal  
16 Year 2019, is further amended—

17 (1) by striking “fiscal year 2019” and inserting  
18 “fiscal year 2020”; and

19 (2) by striking “\$850,000,000” and inserting  
20 “\$645,000,000”.

21 (c) **LIMITATION ON USE OF FUNDS.**—Of the  
22 amounts authorized to be appropriated for fiscal year  
23 2020 by this Act for activities under such section 1236,  
24 as amended by subsection (a), not more than  
25 \$375,000,000 may be obligated or expended for such ac-  
26 tivities until the date on which the Secretary of Defense

1 submits to the congressional defense committees a report  
2 setting forth the following:

3 (1) An identification of the specific units of the  
4 Iraqi Security Forces to receive training and equip-  
5 ment or other support in fiscal year 2020.

6 (2) A plan for ensuring that any vehicles or  
7 equipment provided to the Iraqi Security Forces  
8 pursuant to such authority are maintained in subse-  
9 quent fiscal years using funds of Iraq.

10 (3) An estimate, by fiscal year, of the funding  
11 anticipated to be required for support of the Iraqi  
12 Security Forces during the five fiscal years begin-  
13 ning in fiscal year 2020.

14 (4) A plan for normalizing assistance to the  
15 Iraqi Security Forces under chapter 16 of title 10,  
16 United States Code, beginning in fiscal year 2020.

17 (5) A detailed plan for the obligation and ex-  
18 penditure of the funds requested for fiscal year 2020  
19 for the Department of Defense for stipends.

20 (6) A plan for the transition to the Government  
21 of Iraq the responsibility for funding for stipends for  
22 any fiscal year after fiscal year 2020.

1 **SEC. 1223. EXTENSION AND MODIFICATION OF AUTHORITY**  
2 **TO SUPPORT OPERATIONS AND ACTIVITIES**  
3 **OF THE OFFICE OF SECURITY COOPERATION**  
4 **IN IRAQ.**

5 (a) **AUTHORITY.**—Section 1215 of the National De-  
6 fense Authorization Act for Fiscal Year 2012 (10 U.S.C.  
7 113 note) is amended—

8 (1) by amending subsection (a) to read as fol-  
9 lows:

10 “(a) **AUTHORITY.**—The Secretary of Defense may  
11 support United States Government security cooperation  
12 activities in Iraq by providing funds for operations and  
13 activities of the Office of Security Cooperation in Iraq.”;

14 (2) by striking subsection (f);

15 (3) in subsection (g)(2), by striking subpara-  
16 graph (F); and

17 (4) by redesignating subsection (g) as sub-  
18 section (f).

19 (b) **TYPES OF SUPPORT.**—Subsection (b) of such sec-  
20 tion is amended by striking “life support, transportation  
21 and personal security, and construction and renovation of  
22 facilities” and inserting “life support, transportation, and  
23 personal security”.

24 (c) **AMOUNT AVAILABLE.**—Such section is further  
25 amended—

26 (1) in subsection (c)—

1 (A) by striking “fiscal year 2019” and in-  
2 serting “fiscal year 2020”; and

3 (B) by striking “\$45,300,000” and insert-  
4 ing “\$30,000,000”; and

5 (2) in subsection (d), by striking “fiscal year  
6 2019” and inserting “fiscal year 2020”.

7 (d) COVERAGE OF COSTS OF THE OFFICE OF SECUR-  
8 RITY COOPERATION IN IRAQ.—Subsection (e) of such sec-  
9 tion is amended by striking “activities of security assist-  
10 ance teams in Iraq in connection with such sale” and in-  
11 serting “activities of the Office of Security Cooperation  
12 in Iraq in excess of the amount set forth in subsection  
13 (c)”.

14 **SEC. 1224. COORDINATOR OF UNITED STATES GOVERN-**  
15 **MENT ACTIVITIES AND MATTERS IN CONNEX-**  
16 **ION WITH DETAINEES WHO ARE MEMBERS**  
17 **OF THE ISLAMIC STATE OF IRAQ AND SYRIA.**

18 (a) IN GENERAL.—Not later than 90 days after the  
19 date of the enactment of this Act, the President shall, in  
20 consultation with the Secretary of Defense, the Secretary  
21 of State, the Director of National Intelligence, and the At-  
22 torney General, designate an existing official within the  
23 Executive Branch to serve as senior-level coordinator to  
24 coordinate, in conjunction with the lead and other relevant  
25 agencies, all matters for the United States Government

1 relating to the long-term disposition of members of the  
2 Islamic State of Iraq and Syria (ISIS) and associated  
3 forces (in this section referred to as “ISIS detainees”),  
4 including all matters in connection with—

5           (1) repatriation, transfer, prosecution, and in-  
6           telligence-gathering; and

7           (2) all multilateral and international engage-  
8           ments led by the Department of State and other  
9           agencies that are related to the current and future  
10          handling, detention, and prosecution of ISIS detain-  
11          ees.

12          (b) RETENTION OF AUTHORITY.—The appointment  
13 of a senior-level coordinator pursuant to subsection (a)  
14 shall not deprive any agency of any authority to independ-  
15 ently perform functions of that agency.

16          (c) ANNUAL REPORT.—

17           (1) IN GENERAL.—Not later than 180 days  
18 after the date of the enactment of this Act, and not  
19 less frequently than once each year thereafter  
20 through December 31, 2024, the individual des-  
21 ignated under subsection (a) shall submit to the ap-  
22 propriate committees of Congress a detailed report  
23 regarding the following ISIS detainees:

24                   (A) Alexandra Kotey.

25                   (B) El Shafee Elsheikh.

1 (C) Aine Lesley Davis.

2 (D) Umm Sayyaf.

3 (E) Any other high-value ISIS detainee  
4 that the coordinator reasonably determines to  
5 be subject to criminal prosecution in the United  
6 States.

7 (2) ELEMENTS.—The report under paragraph  
8 (1) shall include, at a minimum, the following:

9 (A) A detailed description of the facilities  
10 where ISIS detainees described in paragraph  
11 (1) are being held.

12 (B) An analysis of all United States efforts  
13 to prosecute ISIS detainees described in para-  
14 graph (1) and the outcomes of such efforts.  
15 Any information, the disclosure of which may  
16 violate Department of Justice policy or law, re-  
17 lating to a prosecution or investigation may be  
18 withheld from a report under paragraph (1).

19 (C) A detailed description of any option to  
20 expedite prosecution of any ISIS detainee de-  
21 scribed in paragraph (1), including in a court of  
22 competent jurisdiction outside of the United  
23 States.

24 (D) An analysis of factors on the ground  
25 in Syria and Iraq that may result in the unin-

1 tended release of ISIS detainees described in  
2 paragraph (1), and an assessment of any meas-  
3 ures available to mitigate such releases.

4 (E) A detailed description of all multilat-  
5 eral and other international efforts or proposals  
6 that would assist in the prosecution of ISIS de-  
7 tainees described in paragraph (1).

8 (F) An analysis of all efforts between the  
9 United States and partner countries within the  
10 Global Coalition to Defeat ISIS or other coun-  
11 tries to share intelligence or evidence that may  
12 aid in the prosecution of members of the Is-  
13 lamic State of Iraq and Syria and associated  
14 forces, and any legal obstacles that may hinder  
15 such efforts.

16 (G) An analysis of the manner in which  
17 the United States Government communicates  
18 on such proposals and efforts to the families of  
19 United States citizens believed to be a victim of  
20 a criminal act by an ISIS detainee.

21 (3) FORM.—The report under paragraph (1)  
22 shall be submitted in unclassified form, but may in-  
23 clude a classified annex.

1 (d) APPROPRIATE COMMITTEES OF CONGRESS DE-  
2 FINED.—In this section, the term “appropriate commit-  
3 tees of Congress” means—

4 (1) the Committee on Armed Services, the  
5 Committee on Foreign Relations, the Committee on  
6 the Judiciary, the Select Committee on Intelligence,  
7 and the Committee on Appropriations of the Senate;  
8 and

9 (2) the Committee on Armed Services, the  
10 Committee on Foreign Affairs, the Committee on  
11 the Judiciary, the Permanent Select Committee on  
12 Intelligence, and the Committee on Appropriations  
13 of the House of Representatives.

14 **SEC. 1225. REPORT ON LESSONS LEARNED FROM EFFORTS**  
15 **TO LIBERATE MOSUL AND RAQQAH FROM**  
16 **CONTROL OF THE ISLAMIC STATE OF IRAQ**  
17 **AND SYRIA.**

18 (a) REPORT REQUIRED.—Not later than 180 days  
19 after the date of the enactment of this Act, the Secretary  
20 of Defense shall submit to the congressional defense com-  
21 mittees a report on lessons learned from coalition oper-  
22 ations to liberate Mosul, Iraq, and Raqqah, Syria, from  
23 control of the Islamic State of Iraq and Syria (ISIS).

1 (b) ELEMENTS.—The report required by subsection  
2 (a) shall include a description of lessons learned in connec-  
3 tion with each of the following:

4 (1) Combat in densely populated urban environ-  
5 ments.

6 (2) Enablement of partner forces, including  
7 unique aspects of conducting combined operations  
8 with regular and irregular forces.

9 (3) Advise, assist, and accompany efforts, in-  
10 cluding such efforts conducted remotely.

11 (4) Integration of United States general pur-  
12 pose and special operations forces.

13 (5) Integration of United States and inter-  
14 national forces.

15 (6) Irregular and unconventional warfare ap-  
16 proaches, including the application of training and  
17 doctrine by special operations and general purpose  
18 forces.

19 (7) Use of command, control, communications,  
20 computer, intelligence, surveillance, and reconnais-  
21 sance systems and techniques.

22 (8) Logistics.

23 (9) Information operations.

1           (10) Targeting and weaponizing, including ef-  
2           forts to avoid civilian casualties and other collateral  
3           damage.

4           (11) Facilitation of flows of internally displaced  
5           people and humanitarian assistance.

6           (12) Such other matters as the Secretary con-  
7           siders appropriate and could benefit training, doc-  
8           trine, and resourcing of future operations.

9           (c) FORM.—The report required by subsection (a)  
10          shall be submitted in unclassified form, but may include  
11          a classified annex.

12       **Subtitle D—Matters Relating to Eu-**  
13       **rope and the Russian Federa-**  
14       **tion**

15       **SEC. 1231. PROHIBITION ON AVAILABILITY OF FUNDS RE-**  
16                               **LATING TO SOVEREIGNTY OF THE RUSSIAN**  
17                               **FEDERATION OVER CRIMEA.**

18           (a) PROHIBITION.—None of the funds authorized to  
19          be appropriated by this Act or otherwise made available  
20          for fiscal year 2020 for the Department of Defense may  
21          be obligated or expended to implement any activity that  
22          recognizes the sovereignty of the Russian Federation over  
23          Crimea.

1 (b) WAIVER.—The Secretary of Defense, with the  
2 concurrence of the Secretary of State, may waive the pro-  
3 hibition under subsection (a) if the Secretary of Defense—

4 (1) determines that a waiver is in the national  
5 security interest of the United States; and

6 (2) on the date on which the waiver is invoked,  
7 submits a notification of the waiver and a justifica-  
8 tion of the reason for seeking the waiver to—

9 (A) the Committee on Armed Services and  
10 the Committee on Foreign Relations of the Sen-  
11 ate; and

12 (B) the Committee on Armed Services and  
13 the Committee on Foreign Affairs of the House  
14 of Representatives.

15 **SEC. 1232. PROHIBITION ON USE OF FUNDS FOR WITH-**  
16 **DRAWAL OF ARMED FORCES FROM EUROPE**  
17 **IN THE EVENT OF UNITED STATES WITH-**  
18 **DRAWAL FROM THE NORTH ATLANTIC TREA-**  
19 **TY.**

20 Notwithstanding any other provision of law, if the  
21 President provides notice of withdrawal of the United  
22 States from the North Atlantic Treaty, done at Wash-  
23 ington D.C. April 4, 1949, pursuant to Article 13 of the  
24 Treaty, during the one-year period beginning on the date  
25 of such notice, no funds authorized to be appropriated by

1 this Act may be obligated, expended, or reprogrammed for  
2 the withdrawal of the United States Armed Forces from  
3 Europe.

4 **SEC. 1233. EXTENSION OF LIMITATION ON MILITARY CO-**  
5 **OPERATION BETWEEN THE UNITED STATES**  
6 **AND THE RUSSIAN FEDERATION.**

7 Subsection (a) of the National Defense Authorization  
8 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
9 2488), as most recently amended by section 1247 of the  
10 John S. McCain National Defense Authorization Act for  
11 Fiscal Year 2019 (Public Law 115–232), is further  
12 amended in the matter preceding paragraph (1) by strik-  
13 ing “fiscal year 2017, 2018, or 2019” and inserting “fis-  
14 cal year 2017, 2018, 2019, or 2020”.

15 **SEC. 1234. MODIFICATION AND EXTENSION OF UKRAINE SE-**  
16 **CURITY ASSISTANCE INITIATIVE.**

17 Section 1250 of the National Defense Authorization  
18 Act for Fiscal Year 2016 (Public Law 114–92; 129 Stat.  
19 1068), as most recently amended by section 1246 of the  
20 John S. McCain National Defense Authorization Act for  
21 Fiscal Year 2019 (Public Law 115–232), is further  
22 amended—

23 (1) in subsection (a), in the matter preceding  
24 paragraph (1), by striking “in coordination with the

1 Secretary of State” and inserting “with the concur-  
2 rence of the Secretary of State”;

3 (2) in subsection (b)—

4 (A) by amending paragraph (11) to read  
5 as follows:

6 “(11) Air defense and coastal defense radars,  
7 and systems to support effective command and con-  
8 trol and integration of air defense and coastal de-  
9 fense capabilities.”;

10 (B) by redesignating paragraphs (14) and

11 (15) as paragraphs (15) and (16), respectively;

12 (C) by inserting after paragraph (13) the  
13 following new paragraph (14):

14 “(14) Coastal defense and anti-ship missile sys-  
15 tems.”; and

16 (D) in paragraph (15), as so redesignated,

17 by striking “paragraphs (1) through (13)” and  
18 inserting “paragraphs (1) through (14)”;

19 (3) in subsection (c), by amending paragraph  
20 (5) to read as follows:

21 “(5) LETHAL ASSISTANCE.—Of the funds avail-  
22 able for fiscal year 2020 pursuant to subsection  
23 (f)(5), \$100,000,000 shall be available only for le-  
24 thal assistance described in paragraphs (2), (3),  
25 (11), (12), and (14) of subsection (b).”;

1 (4) in subsection (f), by adding at the end the  
2 following new paragraph:

3 “(5) For fiscal year 2020, \$300,000,000.”; and

4 (5) in subsection (h), by striking “December  
5 31, 2021” and inserting “December 31, 2022”.

6 **SEC. 1235. EXTENSION OF AUTHORITY FOR TRAINING FOR**  
7 **EASTERN EUROPEAN NATIONAL SECURITY**  
8 **FORCES IN THE COURSE OF MULTILATERAL**  
9 **EXERCISES.**

10 Subsection (h) of section 1251 of the National De-  
11 fense Authorization Act for Fiscal Year 2016 (10 U.S.C.  
12 333 note) is amended—

13 (1) in the first sentence, by striking “December  
14 31, 2020” and inserting “December 31, 2022”; and

15 (2) in the second sentence, by striking “for for  
16 the period beginning on October 1, 2015, and ending  
17 on December 31, 2020” and inserting “for the pe-  
18 riod beginning on October 1, 2015, and ending on  
19 December 31, 2022”.

20 **SEC. 1236. LIMITATION ON TRANSFER OF F-35 AIRCRAFT**  
21 **TO THE REPUBLIC OF TURKEY.**

22 (a) LIMITATION.—Except as provided in subsection  
23 (b), none of the funds authorized to be appropriated by  
24 this Act or otherwise made available for the Department  
25 of Defense may be used to do the following:

1           (1) Transfer, or facilitate the transfer of, F-35  
2           aircraft to the territory of the Republic of Turkey.

3           (2) Transfer equipment, intellectual property,  
4           or technical data necessary for or related to the  
5           maintenance or support of the F-35 aircraft in the  
6           territory of the Republic of Turkey.

7           (3) Construct facilities for or otherwise associ-  
8           ated with the storage of F-35 aircraft in the terri-  
9           tory of the Republic of Turkey.

10          (b) WAIVER.—The Secretary of Defense, with the  
11          concurrence of the Secretary of State, may waive the limi-  
12          tation under subsection (a) if the Secretary of Defense and  
13          the Secretary of State submit to the congressional defense  
14          committees, the Committee on Foreign Relations of the  
15          Senate, and the Committee on Foreign Affairs of the  
16          House of Representatives a certification that the Govern-  
17          ment of Turkey—

18                 (1) has not accepted delivery of the S-400 air  
19                 and missile defense system from the Russian Fed-  
20                 eration; and

21                 (2) has provided reliable assurances that the  
22                 Government of Turkey will not accept delivery of the  
23                 S-400 air and missile defense system from the Rus-  
24                 sian Federation in the future.

1 **SEC. 1237. MODIFICATIONS OF BRIEFING, NOTIFICATION,**  
2 **AND REPORTING REQUIREMENTS RELATING**  
3 **TO NON-COMPLIANCE BY THE RUSSIAN FED-**  
4 **ERATION WITH ITS OBLIGATIONS UNDER THE**  
5 **INF TREATY.**

6 (a) **BRIEFING REQUIREMENT.**—Section 1244(d) of  
7 the Carl Levin and Howard P. “Buck” McKeon National  
8 Defense Authorization Act for Fiscal Year 2015 (Public  
9 Law 113–291; 128 Stat. 3565; 22 U.S.C. 2593a note)—

10 (1) by striking “At the time” and inserting the  
11 following:

12 “(A) **IN GENERAL.**—At the time”; and

13 (2) by adding at the end the following new sub-  
14 paragraph:

15 “(B) **SUNSET.**—The briefing requirement  
16 under subparagraph (A) shall be in effect so  
17 long as the INF Treaty remains in force.”.

18 (b) **NOTIFICATION REQUIREMENT RELATING TO CO-**  
19 **ORDINATION WITH ALLIES.**—Section 1243(c) of the Na-  
20 tional Defense Authorization Act for Fiscal Year 2016  
21 (Public Law 114–92; 129 Stat. 1601) is amended by add-  
22 ing at the end the following new paragraph:

23 “(3) **SUNSET.**—The notification requirement  
24 under paragraph (1) shall be in effect so long as the  
25 INF Treaty remains in force.”.

1 (c) NOTIFICATION REQUIREMENT RELATING TO DE-  
2 VELOPMENT, DEPLOYMENT, OR TEST OF A SYSTEM IN-  
3 CONSISTENT WITH INF TREATY.—Section 1244(a) of the  
4 National Defense Authorization Act for Fiscal Year 2018  
5 (Public Law 115–91; 131 Stat. 1673; 22 U.S.C. 2593a  
6 note) is amended by adding at the end the following new  
7 paragraph:

8 “(3) SUNSET.—The notification requirement  
9 under paragraph (1) shall be in effect so long as the  
10 INF Treaty remains in force.”.

11 (d) REPORTING REQUIREMENT UNDER UKRAINE  
12 FREEDOM SUPPORT ACT OF 2014.—Section 10(e) of the  
13 Ukraine Freedom Support Act of 2014 (22 U.S.C. 8929)  
14 is amended by adding at the end the following new para-  
15 graph:

16 “(3) SUNSET.—The reporting requirement  
17 under paragraph (1) shall be in effect so long as the  
18 INF Treaty remains in force.”.

19 **SEC. 1238. EXTENSION AND MODIFICATION OF SECURITY**  
20 **ASSISTANCE FOR BALTIC NATIONS FOR**  
21 **JOINT PROGRAM FOR INTEROPERABILITY**  
22 **AND DETERRENCE AGAINST AGGRESSION.**

23 (a) ADDITIONAL DEFENSE ARTICLES AND SERV-  
24 ICES.—Subsection (c) of section 1279D of the National  
25 Defense Authorization Act for Fiscal Year 2018 (Public

1 Law 115–91; 131 Stat. 1702; 22 U.S.C. 2753 note) is  
2 amended—

3 (1) by redesignating paragraph (5) as para-  
4 graph (6); and

5 (2) by inserting after paragraph (4) the fol-  
6 lowing new paragraph (5):

7 “(5) Command, control, communications, com-  
8 puters, intelligence, surveillance, and reconnaissance  
9 (C4ISR) equipment.”.

10 (b) FUNDING.—Subsection (f) of such section is  
11 amended—

12 (1) in paragraph (2), by striking  
13 “\$100,000,000” and inserting “\$125,000,000”; and

14 (2) by adding at the end the following new  
15 paragraph:

16 “(3) MATCHING AMOUNT.—The amount of as-  
17 sistance provided under subsection (a) for procure-  
18 ment described in subsection (b) may not exceed the  
19 aggregate amount contributed to such procurement  
20 by the Baltic nations.”.

21 (c) EXTENSION.—Subsection (g) of such section is  
22 amended by striking “December 31, 2020” and inserting  
23 “December 31, 2022”.

1 **SEC. 1239. REPORT ON NORTH ATLANTIC TREATY ORGANI-**  
2 **ZATION READINESS INITIATIVE.**

3 (a) REPORT.—Not later than October 1, 2020, the  
4 Secretary of Defense shall submit to the congressional de-  
5 fense committees a report on the North Atlantic Treaty  
6 Organization (NATO) Readiness Initiative, which shall in-  
7 clude assessments of the following:

8 (1) The number of units North Atlantic Treaty  
9 Organization allies have pledged against the bench-  
10 mark to provide an additional 30 air attack squad-  
11 rons, 30 naval combat vessels, and 30 mechanized  
12 battalions ready to fight in not more than 30 days.

13 (2) The procedure by which the North Atlantic  
14 Treaty Organization certifies, reports, and ensures  
15 that the Supreme Allied Commander Europe  
16 (SACEUR) maintains a detailed understanding of  
17 the readiness of the forces described in paragraph  
18 (1).

19 (3) The North Atlantic Treaty Organization  
20 plan to maintain the readiness of such forces in fu-  
21 ture years.

22 (b) FORM.—The report required by subsection (a)  
23 shall be submitted in unclassified form, but may include  
24 a classified annex.

1 **SEC. 1240. REPORTS ON CONTRIBUTIONS TO THE NORTH**  
2 **ATLANTIC TREATY ORGANIZATION.**

3 (a) IN GENERAL.—Beginning in 2020, and annually  
4 thereafter through 2025, not later than 30 days after the  
5 date on which the annual report of the Secretary General  
6 of the North Atlantic Treaty Organization for the pre-  
7 ceding calendar year is published, the Secretary of De-  
8 fense, in consultation with the Commander of United  
9 States European Command, shall submit to the appro-  
10 priate committees of Congress a report that includes the  
11 following:

12 (1) A link to an electronic version of such an-  
13 nual report of the Secretary General of the North  
14 Atlantic Treaty Organization.

15 (2) A summary of the key findings of such an-  
16 nual report.

17 (3) A description of the significant financial  
18 contributions by member countries of the North At-  
19 lantic Treaty Organization that support the presence  
20 or operations of the United States Armed Forces in  
21 Europe.

22 (4) An assessment of the progress of each mem-  
23 ber country of the North Atlantic Treaty Organiza-  
24 tion toward meeting the North Atlantic Treaty Or-  
25 ganization capability targets for such member coun-  
26 try.

1           (5) An assessment of North Atlantic Treaty Or-  
2           ganization capability and capacity shortfalls that  
3           may be addressed through investment by North At-  
4           lantic Treaty Organization member countries that  
5           have not met the Defense Investment Pledge made  
6           at the 2014 summit of the North Atlantic Treaty  
7           Organization in Wales.

8           (6) A description of the contribution of each  
9           member country of the North Atlantic Treaty Orga-  
10          nization to the NATO Readiness Initiative.

11          (7) A description of—

12                (A) the personnel and financial contribu-  
13                tions of each member country of the North At-  
14                lantic Treaty Organization to military or sta-  
15                bility operations in which the United States  
16                Armed Forces are a participant; and

17                (B) any limitation placed by such member  
18                country on the use of such contributions.

19          (8) An assessment of the compatibility and  
20          alignment of United States and North Atlantic  
21          Treaty Organization contingency plans, including  
22          recommendations to reduce the risk of executing  
23          such plans.

24          (9) An assessment of current North Atlantic  
25          Treaty Organization initiatives, and any rec-



1           2020 and not fewer than the four succeeding  
2           fiscal years.

3           (B) MATTERS TO BE INCLUDED.—The  
4           plan required under subparagraph (A) shall in-  
5           clude the following:

6                   (i) A description of the objectives of  
7                   the European Deterrence Initiative, includ-  
8                   ing a description of—

9                           (I) the intended force structure  
10                           and posture of the assigned and allo-  
11                           cated forces within the area of respon-  
12                           sibility of the United States European  
13                           Command for the last fiscal year of  
14                           the plan; and

15                           (II) the manner in which such  
16                           force structure and posture support  
17                           the implementation of the National  
18                           Defense Strategy.

19                   (ii) An assessment of capabilities re-  
20                   quirements to achieve the objectives of the  
21                   European Deterrence Initiative.

22                   (iii) An assessment of logistics re-  
23                   quirements, including personnel, equip-  
24                   ment, supplies, storage, and maintenance

1 needs, to achieve the objectives of the Eu-  
2 ropean Deterrence Initiative.

3 (iv) An identification of required in-  
4 frastructure and military construction in-  
5 vestments to achieve the objectives of the  
6 European Deterrence Initiative, including  
7 potential infrastructure investments by  
8 host nations.

9 (v) An assessment of security coopera-  
10 tion investments required to achieve the  
11 objectives of the European Deterrence Ini-  
12 tiative.

13 (vi) A plan to fully resource United  
14 States force posture and capabilities, in-  
15 cluding—

16 (I) a detailed assessment of the  
17 resources necessary to address the re-  
18 quirements described in clauses (i)  
19 through (v), including specific cost es-  
20 timates for each project in the Euro-  
21 pean Deterrence Initiative to support  
22 increased presence, exercises and  
23 training, enhanced prepositioning, im-  
24 proved infrastructure, and building  
25 partnership capacity; and

1 (II) a detailed timeline to achieve  
2 the intended force structure and pos-  
3 ture described in clause (i)(I).

4 (2) SUBSEQUENT PLAN.—

5 (A) IN GENERAL.—Not later than the date  
6 on which the Secretary submits to Congress the  
7 budget request for the Department of Defense  
8 for fiscal year 2021, the Secretary, in consulta-  
9 tion with the Commander of the United States  
10 European Command, shall submit to the con-  
11 gressional defense committees a future years  
12 plan on activities and resources of the Euro-  
13 pean Deterrence Initiative for fiscal year 2021  
14 and not fewer than the four succeeding fiscal  
15 years.

16 (B) MATTERS TO BE INCLUDED.—The  
17 plan required under subparagraph (A) shall in-  
18 clude—

19 (i) the matters described in subpara-  
20 graph (B) of paragraph (1); and

21 (ii) a detailed explanation of any sig-  
22 nificant modifications in requirements or  
23 resources, as compared to the plan sub-  
24 mitted under that paragraph.

1 (b) FORM.—The plans required under subsection (a)  
2 shall be submitted in unclassified form, but may include  
3 a classified annex.

4 **SEC. 1242. MODIFICATION OF REPORTING REQUIREMENTS**  
5 **RELATING TO THE OPEN SKIES TREATY.**

6 (a) PLAN FOR IMPLEMENTATION FLIGHTS.—Section  
7 1235(a) of the National Defense Authorization Act for  
8 Fiscal Year 2018 (Public Law 115–91; 131 Stat. 1660)  
9 is amended—

10 (1) in paragraph (1)—

11 (A) by striking “the President” and insert-  
12 ing “the Secretary of Defense”; and

13 (B) by striking “with respect to such fiscal  
14 year” and inserting “with respect to the cal-  
15 endar year in which the flight is to be con-  
16 ducted”;

17 (2) in paragraph (2), by striking “during such  
18 fiscal year” and inserting “during such calendar  
19 year”; and

20 (3) in paragraph (3), by striking “with respect  
21 to a fiscal year” and inserting “with respect to a cal-  
22 endar year”.

23 (b) QUARTERLY REPORTS ON OBSERVATION  
24 FLIGHTS BY THE RUSSIAN FEDERATION.—

1           (1) IN GENERAL.—Paragraph (1) of subsection  
2           (c) of section 1236 of the National Defense Author-  
3           ization Act for Fiscal Year 2017 (Public Law 114–  
4           328; 130 Stat. 2491) is amended by striking “on a  
5           quarterly basis” and inserting “on an annual basis”.

6           (2) CONFORMING AMENDMENT.—Such sub-  
7           section is further amended, in the subsection head-  
8           ing, by striking “QUARTERLY” and inserting “AN-  
9           NUAL”.

10 **SEC. 1243. REPORT ON NUCLEAR WEAPONS OF THE RUS-**  
11 **SIAN FEDERATION AND NUCLEAR MOD-**  
12 **ERNIZATION OF THE PEOPLE’S REPUBLIC OF**  
13 **CHINA.**

14           (a) IN GENERAL.—Not later than February 15,  
15 2020, the Secretary of Defense, in coordination with the  
16 Director of National Intelligence and the Secretary of  
17 State, shall submit to the appropriate committees of Con-  
18 gress a report that includes the following:

19           (1) An assessment of the deployed nuclear  
20 weapons of the Russian Federation not covered by  
21 the New START Treaty.

22           (2) An assessment of the nuclear weapons of  
23 the Russian Federation in development that would  
24 not be covered by the New START Treaty.

1           (3) An assessment of the strategic nuclear  
2 weapons of the Russian Federation that are not de-  
3 ployed.

4           (4) An assessment of the efforts of the People's  
5 Republic of China with respect to nuclear mod-  
6 ernization.

7           (5) The implications of such assessments with  
8 respect to the limitations on strategic weapons of the  
9 United States and the Russian Federation under the  
10 New START Treaty.

11          (b) FORM.—The report under subsection (a) shall be  
12 submitted in unclassified form, but may include a classi-  
13 fied annex.

14          (c) DEFINITIONS.—In this section:

15           (1) APPROPRIATE COMMITTEES OF CON-  
16 GRESS.—The term “appropriate committees of Con-  
17 gress” means—

18           (A) the Committee on Armed Services, the  
19 Select Committee on Intelligence, and the Com-  
20 mittee on Foreign Relations of the Senate; and

21           (B) the Committee on Armed Services, the  
22 Permanent Select Committee on Intelligence,  
23 and the Committee on Foreign Affairs of the  
24 House of Representatives.

1           (2) NEW START TREATY.—The term “New  
2       START Treaty” means the Treaty between the  
3       United States of America and the Russian Federa-  
4       tion on Measures for the Further Reduction and  
5       Limitation of Strategic Offensive Arms, signed on  
6       April 8, 2010, and entered into force on February  
7       5, 2011.

8   **SEC. 1244. SENSE OF SENATE ON THE 70TH ANNIVERSARY**  
9                           **OF THE NORTH ATLANTIC TREATY ORGANI-**  
10                           **ZATION.**

11       Commemorating the 70th anniversary of the North  
12   Atlantic Treaty Organization (NATO), the Senate—

13           (1) recognizes the North Atlantic Treaty Orga-  
14       nization as the most successful military alliance in  
15       history, founded on the principles of democracy, in-  
16       dividual liberty, and the rule of law;

17           (2) commends the singular contributions of the  
18       North Atlantic Treaty Organization to the security,  
19       prosperity, and freedom of its members;

20           (3) upholds membership in the North Atlantic  
21       Treaty Organization as a cornerstone of the security  
22       and national defense of the United States;

23           (4) affirms the ironclad commitment of the  
24       United States to uphold its obligations under the

1 North Atlantic Treaty, including under Article 5 of  
2 such treaty;

3 (5) honors the contributions of North Atlantic  
4 Treaty Organization allies to the security of the  
5 United States, including the invocation of Article 5  
6 of the North Atlantic Treaty after the September  
7 11, 2001, terrorist attacks against the United  
8 States;

9 (6) urges North Atlantic Treaty Organization  
10 allies to uphold their obligations under Article 3 of  
11 the North Atlantic Treaty to “maintain and develop  
12 their individual and collective capacity to resist  
13 armed attack” by honoring the Defense Investment  
14 Pledge made at the Wales Summit in 2014;

15 (7) notes the commitment of North Atlantic  
16 Treaty Organization allies to contribute to strength-  
17 ening their free institutions, bringing about a better  
18 understanding of the principles on which such insti-  
19 tutions are founded and promoting conditions of sta-  
20 bility and well-being; and

21 (8) welcomes efforts to reform and modernize  
22 the North Atlantic Treaty Organization to meet cur-  
23 rent and future threats, including though accelerated  
24 modernization, improved readiness, command struc-

1       ture adaptation, and increased speed of alliance deci-  
2       sion-making.

3 **SEC. 1245. SENSE OF SENATE ON UNITED STATES FORCE**  
4                   **POSTURE IN EUROPE AND THE REPUBLIC OF**  
5                   **POLAND.**

6       It is the sense of the Senate that—

7           (1) the 2018 National Defense Strategy identi-  
8       fies long-term strategic competition with the Russian  
9       Federation as a principal priority for the Depart-  
10      ment of Defense that requires increased and sus-  
11      tained investment;

12          (2) despite significant progress through the Eu-  
13      ropean Deterrence Initiative, the current force pos-  
14      ture of the United States is not yet sufficient to sup-  
15      port the National Defense Strategy;

16          (3) due to the geostrategic location and capa-  
17      bilities of the armed forces of the Republic of Po-  
18      land, the Republic of Poland is critical to deterring,  
19      defending against, and defeating Russian aggression  
20      against North Atlantic Treaty Organization allies in  
21      Central and Eastern Europe; and

22          (4) the United States should increase the per-  
23      sistent presence of United States forces in the Re-  
24      public of Poland, including key combat enabler units  
25      such as warfighting headquarters elements—

1 (A) to enhance deterrence against Russian  
2 aggression; and

3 (B) to reduce the risk of executing Depart-  
4 ment of Defense contingency plans.

5 **SEC. 1246. SENSE OF SENATE ON UNITED STATES PART-**  
6 **nership WITH THE REPUBLIC OF GEORGIA.**

7 It is the sense of the Senate that the United States  
8 should—

9 (1) promote the enduring strategic partnership  
10 of the United States with the Republic of Georgia;

11 (2) support robust security sector assistance for  
12 the Republic of Georgia, including defensive lethal  
13 assistance—

14 (A) to strengthen the defense capabilities  
15 and readiness of the Republic of Georgia;

16 (B) to improve interoperability with North  
17 Atlantic Treaty Organization (NATO) forces;  
18 and

19 (C) to bolster deterrence against aggres-  
20 sion by the Russian Federation;

21 (3) enhance security in the Black Sea region by  
22 increasing engagement and security cooperation with  
23 Black Sea countries, including by increasing the fre-  
24 quency, scale, and scope of North Atlantic Treaty  
25 Organization and other multilateral exercises in the

1 Black Sea region with the participation of the Re-  
2 public of Georgia and Ukraine; and

3 (4) affirm support for the North Atlantic Trea-  
4 ty Organization open door policy, including the even-  
5 tual membership of the Republic of Georgia in the  
6 North Atlantic Treaty Organization.

7 **Subtitle E—Matters Relating to the**  
8 **Indo-Pacific Region**

9 **SEC. 1251. LIMITATION ON USE OF FUNDS TO REDUCE THE**  
10 **TOTAL NUMBER OF MEMBERS OF THE**  
11 **ARMED FORCES IN THE TERRITORY OF THE**  
12 **REPUBLIC OF KOREA.**

13 None of the funds authorized to be appropriated by  
14 this Act may be used to reduce the total number of mem-  
15 bers of the Armed Forces in the territory of the Republic  
16 of Korea below 28,500 until 90 days after the date on  
17 which the Secretary of Defense certifies to the congres-  
18 sional defense committees the following:

19 (1) Such a reduction is in the national security  
20 interest of the United States and will not signifi-  
21 cantly undermine the security of United States allies  
22 in the region.

23 (2) Such a reduction is commensurate with a  
24 reduction in the threat posed to the security of the  
25 United States and its allies in the region by the con-

1       ventional military forces of the Democratic People’s  
2       Republic of Korea.

3               (3) The Secretary has appropriately consulted  
4       with allies of the United States, including the Re-  
5       public of Korea and Japan, regarding such a reduc-  
6       tion.

7       **SEC. 1252. EXPANSION OF INDO-PACIFIC MARITIME SECU-**  
8                               **RITY INITIATIVE.**

9       Section 1263(b) of the National Defense Authoriza-  
10      tion Act for Fiscal Year 2016 (10 U.S.C. 333 note) is  
11      amended by adding at the end the following new para-  
12      graphs:

13               “(8) The Federated States of Micronesia.

14               “(9) The Kingdom of Tonga.

15               “(10) Papua New Guinea.

16               “(11) The Republic of Fiji.

17               “(12) The Republic of the Marshall Islands.

18               “(13) The Republic of Palau.

19               “(14) The Republic of Vanuatu.

20               “(15) The Solomon Islands.”.

1 **SEC. 1253. MODIFICATION OF ANNUAL REPORT ON MILI-**  
2 **TARY AND SECURITY DEVELOPMENTS IN-**  
3 **VOLVING THE PEOPLE’S REPUBLIC OF**  
4 **CHINA.**

5 Paragraph (26) of section 1202(b) of the National  
6 Defense Authorization Act for Fiscal Year 2000 (10  
7 U.S.C. 113 note) is amended to read as follows:

8 “(26) The relationship between Chinese over-  
9 seas investment, including the Belt and Road Initia-  
10 tive and the Digital Silk Road, and Chinese security  
11 and military strategy objectives, including—

12 “(A) an assessment of Chinese investments  
13 or projects likely, or with significant potential,  
14 to be converted into military assets of the Peo-  
15 ple’s Republic of China;

16 “(B) an assessment of Chinese investments  
17 or projects of greatest concern with respect to  
18 United States national security interests;

19 “(C) a description of any Chinese invest-  
20 ment or project linked to military cooperation  
21 with the country in which the investment or  
22 project is located, such as cooperation on sat-  
23 ellite navigation or arms production; and

24 “(D) an assessment of any Chinese invest-  
25 ment or project, and any associated agreement,  
26 that—

1                   “(i) presents significant financial risk  
2                   for the country in which the investment or  
3                   project is located; or

4                   “(ii) may undermine the sovereignty  
5                   of such country.”.

6 **SEC. 1254. REPORT ON RESOURCING UNITED STATES DE-**  
7 **FENSE REQUIREMENTS FOR THE INDO-PA-**  
8 **CIFIC REGION.**

9                   (a) REPORT REQUIRED.—

10                   (1) IN GENERAL.—Not later than January 31,  
11                   2020, the Commander of United States Indo-Pacific  
12                   Command shall submit to the congressional defense  
13                   committees a report containing the independent as-  
14                   sessment of the Commander with respect to the ac-  
15                   tivities and resources required, for fiscal years 2022  
16                   through 2026, to achieve the following objectives:

17                   (A) The implementation of the National  
18                   Defense Strategy with respect to the Indo-Pa-  
19                   cific region.

20                   (B) The maintenance or restoration of the  
21                   comparative military advantage of the United  
22                   States with respect to the People’s Republic of  
23                   China.

1           (C) The reduction of the risk of executing  
2 contingency plans of the Department of De-  
3 fense.

4           (2) MATTERS TO BE INCLUDED.—The report  
5 required under paragraph (1) shall include the fol-  
6 lowing:

7           (A) A description of the intended force  
8 structure and posture of assigned and allocated  
9 forces within the area of responsibility of  
10 United States Indo-Pacific Command for fiscal  
11 year 2026 to achieve the objectives described in  
12 paragraph (1).

13           (B) An assessment of capabilities require-  
14 ments to achieve such objectives.

15           (C) An assessment of logistics require-  
16 ments, including personnel, equipment, supplies,  
17 storage, and maintenance needs to achieve such  
18 objectives.

19           (D) An identification of required infra-  
20 structure and military construction investments  
21 to achieve such objectives.

22           (E) An assessment of security cooperation  
23 activities or resources required to achieve such  
24 objectives.

1 (F) A plan to fully resource United States  
2 force posture and capabilities, including—

3 (i) a detailed assessment of the re-  
4 sources necessary to address the elements  
5 described in subparagraphs (A) through  
6 (E), including specific cost estimates for  
7 priority investments or projects—

8 (I) to increase joint force  
9 lethality;

10 (II) to enhance force design and  
11 posture;

12 (III) to support a robust exercise,  
13 experimentation, and innovation pro-  
14 gram; and

15 (IV) to strengthen cooperation  
16 with allies and partners; and

17 (ii) a detailed timeline to achieve the  
18 intended force structure and posture de-  
19 scribed in subparagraph (A).

20 (3) FORM.—The report required under para-  
21 graph (1) may be submitted in classified form, but  
22 shall include an unclassified summary.

23 (4) AVAILABILITY.—On submittal of the report  
24 to the congressional defense committees, the Com-  
25 mander of United States Indo-Pacific Command

1 shall make the report available to the Secretary of  
2 Defense, the Director of Cost Assessment and Pro-  
3 gram Evaluation, the Chairman of the Joint Chiefs  
4 of Staff, the Secretaries of the military departments,  
5 and the chiefs of staff of each military service.

6 (b) BRIEFINGS REQUIRED.—

7 (1) INITIAL BRIEFING.—Not later than March  
8 15, 2020, the Secretary of Defense, the Director of  
9 Cost Assessment and Program Evaluation, and the  
10 Chairman of the Joint Chiefs of Staff shall provide  
11 to the congressional defense committees a joint  
12 briefing, and documents as appropriate, with respect  
13 to their assessments of the report submitted under  
14 subsection (a), including their assessments of the  
15 feasibility and advisability of the plan required by  
16 paragraph (2)(F) of that subsection.

17 (2) SUBSEQUENT BRIEFING.—Not later than  
18 March 31, 2020, the Secretary of the Air Force, the  
19 Secretary of the Army, and the Secretary of the  
20 Navy shall provide to the congressional defense com-  
21 mittees a joint briefing, and documents as appro-  
22 priate, with respect to their assessments of the re-  
23 port submitted under subsection (a), including their  
24 assessments of the feasibility and advisability of the

1 plan required by paragraph (2)(F) of that sub-  
2 section.

3 **SEC. 1255. REPORT ON DISTRIBUTED LAY-DOWN OF UNITED**  
4 **STATES FORCES IN THE INDO-PACIFIC RE-**  
5 **GION.**

6 (a) REVIEW.—Acknowledging the pressing need to  
7 reduce the presence of the United States Marine Corps  
8 on Okinawa, Japan, and to accelerate adjustments to  
9 United States force posture in the Indo-Pacific region, the  
10 Secretary of Defense, in consultation with the Government  
11 of Japan and other foreign governments as necessary,  
12 shall conduct a review of the planned distribution of mem-  
13 bers of the United States Armed Forces in Okinawa,  
14 Guam, Hawaii, Australia, and elsewhere that is con-  
15 templated in support of the joint statement of the United  
16 States-Japan Security Consultative Committee issued  
17 April 26, 2012, in the District of Columbia (April 27,  
18 2012, in Tokyo, Japan) and revised on October 3, 2013,  
19 in Tokyo, hereafter referred to as the “distributed lay-  
20 down”.

21 (b) ELEMENTS.—The review required by subsection  
22 (a) shall include an updated analysis of the distributed  
23 lay-down, including—

24 (1) an assessment of the impact of the distrib-  
25 uted lay-down on the ability of the Armed Forces to

1       respond to current and future contingencies in the  
2       area of responsibility of United States Indo-Pacific  
3       Command that reflects contingency plans of the De-  
4       partment of the Defense;

5               (2) the projected total cost, including any past  
6       or projected changes in cost;

7               (3) a description of the adequacy of current and  
8       expected training resources at each location associ-  
9       ated with the distributed lay-down, including the  
10      ability to train against the full spectrum of threats  
11      from near-peer or peer threats any projected limita-  
12      tions due to political, environmental, or other lim-  
13      iting factors;

14              (4) an assessment of political support for  
15      United States force presence from host countries  
16      and local communities and populations;

17              (5) an analysis of growth potential for increased  
18      force size or training; and

19              (6) an updated and detailed description of any  
20      military construction projects required to execute the  
21      distributed lay-down.

22      (c) CERTIFICATION.—Not later than 15 days after  
23      the completion of the review required by subsection (a),  
24      the Secretary of Defense shall submit to the congressional  
25      defense committees—

1           (1) a certification that the Department of De-  
2           fense will continue implementation of the distributed  
3           lay-down; or

4           (2) a notification that the Department of De-  
5           fense intends to seek revisions to the distributed lay-  
6           down in consultation with the Government of Japan.

7           (d) REPORT.—Not later than 120 days after the com-  
8           pletion of the review required by subsection (a), the Sec-  
9           retary of Defense shall provide the congressional defense  
10          committees a report on the results of the review, includ-  
11          ing—

12           (1) a detailed description of any recommenda-  
13          tions for revisions to the distributed lay-down such  
14          as alternative locations for basing in Alaska, Hawaii,  
15          the continental United States, Japan, and Oceania;  
16          and

17           (2) an assessment of the results of the review  
18          and recommendations described in paragraph (1) by  
19          the Chairman of the Joint Chiefs of Staff.

20          (e) COMPTROLLER GENERAL REPORT.—Not later  
21          than 120 days after the submission of the report required  
22          by subsection (d), the Comptroller General of the United  
23          States shall submit to the congressional defense commit-  
24          tees a report containing an analysis of the current status

1 of the distributed lay-down, the review described in sub-  
2 section (a), and the report described in subsection (d).

3 **SEC. 1256. SENSE OF SENATE ON THE UNITED STATES-**  
4 **JAPAN ALLIANCE AND DEFENSE COOPERA-**  
5 **TION.**

6 It is the sense of the Senate that—

7 (1) the United States-Japan alliance remains  
8 the cornerstone of peace and security for a free and  
9 open Indo-Pacific region;

10 (2) although the United States Government  
11 does not take a position on sovereignty of the  
12 Senkaku Islands, the United States acknowledges  
13 that the islands are under the administration of  
14 Japan and opposes any unilateral actions that would  
15 seek to undermine their administration by Japan;

16 (3) the unilateral actions of a third party will  
17 not affect United States acknowledgment of the ad-  
18 ministration of Japan over the Senkaku Islands, and  
19 the United States remains committed under the  
20 Treaty of Mutual Cooperation and Security with  
21 Japan to respond to any armed attack in the terri-  
22 tories under the administration of Japan;

23 (4) Japan continues to make contributions to  
24 regional security and prosperity that make the  
25 United States safer and more prosperous;

1           (5) the Government of Japan has played a crit-  
2 ical leadership role in promoting a free and open  
3 Indo-Pacific, which is a primary objective of United  
4 States national security policy, including through its  
5 efforts concerning trade, investment, energy, rule of  
6 law, and good governance;

7           (6) the Government of Japan has been instru-  
8 mental improving cooperation between the United  
9 States, Japan, Australia, and India as well as im-  
10 proving relations with countries in the Association of  
11 Southeast Asian Nations;

12           (7) the Government of Japan has been a strong  
13 supporter of United States efforts to achieve the  
14 complete and verifiable denuclearization of North  
15 Korea, and has played a leading role in enforcing  
16 United Nations Security Council Resolution sanc-  
17 tions against North Korea;

18           (8) the Government of Japan has taken signifi-  
19 cant steps to enhance military capabilities for its  
20 own defense while increasing its contributions to col-  
21 lective security, including through passage of legisla-  
22 tion concerning collective self-defense, the publica-  
23 tion of the National Defense Program Guidelines  
24 and the Mid-Term Defense Program, and record in-

1 vestments in advanced defense capabilities in the  
2 maritime, air, space, and cyber domains;

3 (9) while it should continue to increase its de-  
4 fense spending in order to make a greater contribu-  
5 tion to allied defense capabilities, the Government of  
6 Japan has made among the most significant “bur-  
7 den sharing” contributions of any United States  
8 ally, including through direct cost sharing, paying  
9 for the realignment of United States forces currently  
10 stationed in Okinawa, community support, and other  
11 alliance-related expenditures;

12 (10) upcoming negotiations concerning a new  
13 Special Measures Agreement between the United  
14 States and Japan should be conducted in a spirit  
15 consistent with prior negotiations on the basis of  
16 common interest and mutual respect; and

17 (11) the United States and Japan should take  
18 actions to enhance United States-Japan defense co-  
19 operation, including through increased use of com-  
20 bined bases for allied operations, further integration  
21 of allied command structures, consideration of the  
22 establishment of a combined joint task force, en-  
23 hanced combined contingency planning for both con-  
24 ventional conflict and so-called “gray zone” inci-

1 dents, and opportunities for co-development of de-  
2 fense equipment and technology cooperation.

3 **SEC. 1257. SENSE OF SENATE ON ENHANCEMENT OF THE**  
4 **UNITED STATES-TAIWAN DEFENSE RELA-**  
5 **TIONSHIP.**

6 It is the sense of the Senate that—

7 (1) the Taiwan Relations Act (22 U.S.C. 3301  
8 et seq.) and the “Six Assurances” are both corner-  
9 stones of United States relations with Taiwan;

10 (2) the United States should strengthen defense  
11 and security cooperation with Taiwan to support the  
12 development of capable, ready, and modern defense  
13 forces necessary for Taiwan to maintain a sufficient  
14 self-defense capability;

15 (3) the United States should strongly support  
16 the acquisition by Taiwan of defense articles and  
17 services through foreign military sales, direct com-  
18 mercial sales, and industrial cooperation, with an  
19 emphasis on anti-ship, coastal defense, anti-armor,  
20 air defense, undersea warfare, advanced command,  
21 control, communications, computer, intelligence, sur-  
22 veillance, and reconnaissance (C4ISR), and resilient  
23 command and control capabilities that support the  
24 asymmetric defense strategy of Taiwan;

1           (4) the President and Congress should deter-  
2 mine the nature and quantity of such defense arti-  
3 cles and services based solely upon their judgment of  
4 the needs of Taiwan as required by the Taiwan Re-  
5 lations Act;

6           (5) the United States should continue efforts to  
7 improve the predictability of United States arms  
8 sales to Taiwan by ensuring timely review of and re-  
9 sponse to requests of Taiwan for defense articles  
10 and services;

11           (6) the Secretary of Defense should promote  
12 policies concerning exchanges that enhance the secu-  
13 rity of Taiwan including—

14           (A) opportunities with Taiwan for practical  
15 training and military exercises that—

16           (i) enable Taiwan to maintain a suffi-  
17 cient self-defense capability, as described  
18 in section 3(a) of the Taiwan Relations Act  
19 (22 U.S.C. 3302(a)); and

20           (ii) emphasize capabilities consistent  
21 with the asymmetric defense strategy of  
22 Taiwan;

23           (B) exchanges between senior defense offi-  
24 cials and general officers of the United States  
25 and Taiwan, consistent with the Taiwan Travel

1 Act (Public Law 115–135), especially for the  
2 purpose of enhancing cooperation on defense  
3 planning and improving the interoperability of  
4 United States and Taiwan forces; and

5 (C) opportunities for exchanges between  
6 junior officers and senior enlisted personnel of  
7 the United States and Taiwan;

8 (7) the United States and Taiwan should ex-  
9 pand cooperation in humanitarian assistance and  
10 disaster relief;

11 (8) the Secretary of Defense should consider  
12 supporting the visit of a United States hospital ship  
13 to Taiwan as part of the annual “Pacific Partner-  
14 ship” mission, as well as the participation of Taiwan  
15 medical vessels in appropriate exercises with the  
16 United States, in order to improve disaster response  
17 planning and preparedness; and

18 (9) the Secretary of Defense should continue  
19 regular transits of United States Navy vessels  
20 through the Taiwan Strait, commend the armed  
21 forces of France for their April 6, 2019, legal transit  
22 of the Taiwan Strait, and encourage allies and part-  
23 ners to follow suit in conducting such transits, in  
24 order to demonstrate the commitment of the United

1 States and its allies and partners to fly, sail, and op-  
2 erate anywhere international law allows.

3 **SEC. 1258. SENSE OF SENATE ON UNITED STATES-INDIA DE-**  
4 **FENSE RELATIONSHIP.**

5 It is the sense of the Senate that the United States  
6 should strengthen and enhance its major defense partner-  
7 ship with India and work toward the following mutual se-  
8 curity objectives:

9 (1) Expanding engagement in multilateral  
10 frameworks, including the quadrilateral dialogue  
11 among the United States, India, Japan, and Aus-  
12 tralia, to promote regional security and defend  
13 shared values and common interests in the rules-  
14 based order.

15 (2) Increasing the frequency and scope of ex-  
16 changes between senior civilian officials and military  
17 officers of the United States and India to support  
18 the development and implementation of the major  
19 defense partnership.

20 (3) Exploring additional steps to implement the  
21 major defense partner designation to better facilitate  
22 interoperability, information sharing, and appro-  
23 priate technology transfers.

24 (4) Pursuing strategic initiatives to help develop  
25 the defense capabilities of India.

1           (5) Conducting additional combined exercises  
2           with India in the Persian Gulf, Indian Ocean, and  
3           western Pacific regions.

4           (6) Furthering cooperative efforts to promote  
5           stability and security in Afghanistan.

6 **SEC. 1259. SENSE OF SENATE ON SECURITY COMMITMENTS**  
7                           **TO THE GOVERNMENTS OF JAPAN AND THE**  
8                           **REPUBLIC OF KOREA AND TRILATERAL CO-**  
9                           **OPERATION AMONG THE UNITED STATES,**  
10                          **JAPAN, AND THE REPUBLIC OF KOREA.**

11           It is the sense of the Senate that—

12           (1) the United States remains committed to its  
13           alliances with Japan and the Republic of Korea,  
14           which are—

15                       (A) the cornerstones of peace and stability  
16                       in the Indo-Pacific region; and

17                       (B) based on the shared values of democ-  
18                       racy, the rule of law, free and open markets,  
19                       and respect for human rights;

20           (2) cooperation among the United States,  
21           Japan, and the Republic of Korea is essential for  
22           confronting global challenges, including—

23                       (A) preventing the proliferation of weapons  
24                       of mass destruction;

25                       (B) combating piracy;

1           (C) assisting victims of conflict and dis-  
2           aster worldwide;

3           (D) protecting maritime security; and

4           (E) ensuring freedom of navigation, com-  
5           merce, and overflight in the Indo-Pacific region;

6           (3) the United States, Japan, and the Republic  
7           of Korea share deep concern that the nuclear and  
8           ballistic missile programs, the conventional military  
9           capabilities, and the chemical and biological weapons  
10          programs of the Democratic People’s Republic of  
11          Korea, together with the long history of aggression  
12          and provocation by the Democratic People’s Repub-  
13          lic of Korea, pose grave threats to peace and sta-  
14          bility on the Korean Peninsula and in the Indo-Pa-  
15          cific region;

16          (4) the United States welcomes greater security  
17          cooperation with and between Japan and the Repub-  
18          lic of Korea to promote mutual interests and address  
19          shared concerns, including—

20                (A) the bilateral military intelligence-shar-  
21                ing pact between Japan and the Republic of  
22                Korea, signed on November 23, 2016; and

23                (B) the trilateral intelligence sharing  
24                agreement among the United States, Japan,

1           and the Republic of Korea, signed on December  
2           29, 2015; and

3           (5) recognizing that the security of the United  
4           States, Japan, and the Republic of Korea are inter-  
5           twined because they face common threats, including  
6           from the Democratic People’s Republic of Korea, the  
7           United States welcomes and encourages deeper tri-  
8           lateral defense coordination and cooperation, includ-  
9           ing through expanded exercises, training, senior-level  
10          exchanges, and information sharing.

11 **SEC. 1260. SENSE OF SENATE ON ENHANCED COOPERATION**  
12                           **WITH PACIFIC ISLAND COUNTRIES TO ESTAB-**  
13                           **LISH OPEN-SOURCE INTELLIGENCE FUSION**  
14                           **CENTERS IN THE INDO-PACIFIC REGION.**

15          It is the sense of the Senate that—

16           (1) the Pacific Island countries in the Indo-Pa-  
17           cific region are critical partners of the United  
18           States;

19           (2) the United States should take steps to en-  
20           hance collaboration with Pacific Island countries;  
21           and

22           (3) United States Indo-Pacific Command  
23           should pursue the establishment of one or more  
24           open-source intelligence fusion centers in the Indo-  
25           Pacific region to enhance cooperation with Pacific

1 Island countries, which may include participation in  
2 an existing fusion center of a partner or ally in lieu  
3 of establishing an entirely new fusion center.

4 **SEC. 1261. SENSE OF SENATE ON ENHANCING DEFENSE**  
5 **AND SECURITY COOPERATION WITH THE RE-**  
6 **PUBLIC OF SINGAPORE.**

7 It is the sense of the Senate that—

8 (1) the United States and the Republic of  
9 Singapore have built a strong, enduring, and for-  
10 ward-looking strategic partnership based on long-  
11 standing and mutually beneficial cooperation, includ-  
12 ing through security, defense, economic, and people-  
13 to-people ties;

14 (2) robust security cooperation between the  
15 United States and the Republic of Singapore is cru-  
16 cial to promoting peace and stability in the Indo-Pa-  
17 cific region;

18 (3) the status of the Republic of Singapore as  
19 a major security cooperation partner of the United  
20 States, as recognized in the 2005 Strategic Frame-  
21 work Agreement between the United States and the  
22 Republic of Singapore for a Closer Partnership in  
23 Defense and Security, plays an important role in the  
24 global network of strategic partnerships, especially

1 in promoting maritime security and countering ter-  
2 rorism;

3 (4) the United States highly values the Repub-  
4 lic of Singapore's provision of access to its military  
5 facilities, which supports the continued security  
6 presence of the United States in Southeast Asia and  
7 across the Indo-Pacific region;

8 (5) the United States should continue to wel-  
9 come the presence of the Singapore Armed Forces in  
10 the United States for exercises and training, and  
11 should consider opportunities to expand such activi-  
12 ties at additional locations in the United States, as  
13 appropriate; and

14 (6) as the United States and the Republic of  
15 Singapore negotiate the renewal of the 1990 Memo-  
16 randum of Understanding Regarding the United  
17 States Use of Facilities in Singapore, the United  
18 States should—

19 (A) continue to enhance defense and secu-  
20 rity cooperation with the Republic of Singapore  
21 to promote peace and stability in the Indo-Pa-  
22 cific region based on common interests and  
23 shared values;

1 (B) reinforce the status of the Republic of  
2 Singapore as a major security cooperation part-  
3 ner of the United States;

4 (C) enhance defense cooperation in the  
5 military, policy, strategic, and technological  
6 spheres, especially concerning maritime security  
7 and counterterrorism, counterpiracy, humani-  
8 tarian assistance and disaster relief, cybersecu-  
9 rity, and biosecurity; and

10 (D) explore additional steps to better fa-  
11 cilitate military interoperability and information  
12 sharing through appropriate technology trans-  
13 fers.

## 14 **Subtitle F—Reports**

### 15 **SEC. 1271. REPORT ON COST IMPOSITION STRATEGY.**

16 (a) IN GENERAL.—Not later than 180 days after the  
17 date of the enactment of this Act, the Secretary of Defense  
18 shall submit to the congressional defense committees a re-  
19 port describing the cost imposition strategies of the De-  
20 partment of Defense with respect to the People’s Republic  
21 of China and the Russian Federation.

22 (b) ELEMENTS.—The report under subsection (a)  
23 shall include the following:

24 (1) A description of the manner in which the  
25 future-years defense program and current oper-

1 ational concepts of the Department are designed to  
2 impose costs on the People’s Republic of China and  
3 the Russian Federation, including—

4 (A) political, economic, monetary, human  
5 capital, and technology costs; and

6 (B) costs associated with military effi-  
7 ciency and effectiveness.

8 (2) A description of the policies and processes  
9 of the Department relating to the development and  
10 execution of cost imposition strategies.

11 (c) FORM.—The report under subsection (a) shall be  
12 submitted in classified form, and shall include an unclassi-  
13 fied summary.

## 14 **Subtitle G—Other Matters**

### 15 **SEC. 1281. NATO SPECIAL OPERATIONS HEADQUARTERS.**

16 Section 1244 of the National Defense Authorization  
17 Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat.  
18 2541), as most recently amended by section 1280 of the  
19 National Defense Authorization Act for Fiscal Year 2016  
20 (Public Law 114–92; 129 Stat. 1080), is further amend-  
21 ed—

22 (1) in subsection (a), by striking “each of fiscal  
23 years 2013 through 2020” and inserting “each of  
24 fiscal years 2013 through 2025”;

25 (2) by striking subsection (c); and

1           (3) by redesignating subsection (d) as sub-  
2           section (c).

3 **SEC. 1282. MODIFICATIONS OF AUTHORITIES RELATING TO**  
4                           **ACQUISITION AND CROSS-SERVICING AGREE-**  
5                           **MENTS.**

6           (a) REIMBURSEMENT FOR COST OF LOGISTIC SUP-  
7           PORT, SUPPLIES, AND SERVICES.—Subsection (a) of sec-  
8           tion 2342 of title 10, United States Code, is amended—

9                       (1) in paragraph (2), by striking “in return  
10           for” and all that follows through the period at the  
11           end and inserting the following: “in return for—

12                               “(A) the reciprocal provisions of logistic  
13                               support, supplies, and services by such govern-  
14                               ment or organization to elements of the armed  
15                               forces; or

16                               “(B) cash reimbursement for the fully bur-  
17                               dened cost of the logistic support, supplies, and  
18                               services provided by the United States.”; and

19                       (2) by adding at the end the following new  
20           paragraphs:

21                       “(3) A reciprocal transaction for logistic sup-  
22           port, supplies, and services shall be reconciled not  
23           later than one year after the date on which the  
24           transaction occurs, at which time the Secretary of  
25           Defense shall seek cash reimbursement for the fully

1       burdened cost of the logistic support, supplies, and  
2       services provided by the United States that has not  
3       been offset by the value of the logistic support, sup-  
4       plies, and services provided by the recipient govern-  
5       ment or organization.

6               “(4) An agreement entered into under this sec-  
7       tion shall require any accrued credits or liabilities  
8       resulting from an unequal exchange of logistic sup-  
9       port, supplies, and services to be liquidated not less  
10      frequently than once every five years.”.

11      (b) DESIGNATION AND NOTICE OF INTENT TO  
12      ENTER INTO AGREEMENT WITH NON-NATO COUN-  
13      TRY.—Subsection (b) of such section is amended to read  
14      as follows:

15           “(b)(1) The Secretary of Defense may not designate  
16      a country for an agreement under this section unless—

17               “(A) the Secretary, after consultation with the  
18      Secretary of State, determines that the designation  
19      of such country for such purpose is in the interest  
20      of the national security of the United States; and

21               “(B) in the case of a country that is not a  
22      member of the North Atlantic Treaty Organization,  
23      the Secretary submits to the appropriate committees  
24      of Congress notice of the intended designation not  
25      less than 30 days before the date on which such

1 country is designated by the Secretary under sub-  
2 section (a).

3 “(2) In the case of a country that is not a member  
4 of the North Atlantic Treaty Organization, the Secretary  
5 of Defense may not enter into an agreement under this  
6 section unless the Secretary submits to the appropriate  
7 committees of Congress a notice of intent to enter into  
8 such an agreement not less than 30 days before the date  
9 on which the Secretary enters into the agreement.”.

10 (c) OVERSIGHT AND MONITORING RESPONSIBIL-  
11 ITIES.—Such section is further amended—

12 (1) by redesignating subsections (f) through (h)  
13 as subsections (g) through (i), respectively; and

14 (2) by inserting after subsection (e) the fol-  
15 lowing new subsection (f):

16 “(f)(1) The Under Secretary of Defense for Policy  
17 shall have primary responsibility within the Office of the  
18 Secretary of Defense for oversight of agreements entered  
19 into and activities carried out under the authority of this  
20 subchapter.

21 “(2) The Director of the Defense Security Coopera-  
22 tion Agency shall have primary responsibility for—

23 “(A) monitoring the implementation of such  
24 agreements; and

1           “(B) accounting for logistic support, supplies,  
2           and services received or provided under such author-  
3           ity.”.

4           (d) REGULATIONS.—Subsection (g) of such section,  
5           as redesignated by subsection (c)(1), is amended to read  
6           as follows:

7           “(g)(1) Not later than 90 days after the date of the  
8           enactment of this Act, the Secretary of Defense shall pre-  
9           scribe regulations to ensure that—

10           “(A) contracts entered into under this sub-  
11           chapter are free from self-dealing, bribery, and con-  
12           flict of interests;

13           “(B) adequate processes and controls are in  
14           place to provide for the accurate accounting of logis-  
15           tic support, supplies, and services received or pro-  
16           vided under the authority of this subchapter; and

17           “(C) personnel responsible for accounting for  
18           logistic support, supplies, and services received or  
19           provided under such authority are fully trained and  
20           aware of such responsibilities.

21           “(2)(A) Not later than 270 days after the  
22           issuance of the regulations under paragraph (1), the  
23           Comptroller General of the United States shall con-  
24           duct a review of the implementation by the Secretary  
25           of such regulations.

1           “(B) The review conducted under subparagraph  
2           (A) shall—

3                   “(i) assess the effectiveness of such regula-  
4                   tions and the implementation of such regula-  
5                   tions to ensure the effective management and  
6                   oversight of an agreement under subsection  
7                   (a)(1); and

8                   “(ii) include any other matter the Comp-  
9                   troller General considers relevant.”.

10          (e) REPORTS.—Subsection (h) of such section, as re-  
11          designated by subsection (c)(1), is amended—

12                   (1) in paragraph (1), by inserting “in effect”  
13                   and inserting “that have entered into force or were  
14                   applied provisionally”;

15                   (2) in paragraph (2)—

16                           (A) by striking “date on which the Sec-  
17                           retary” and all that follows through the period  
18                           at the end and inserting “dates on which the  
19                           Secretary notified Congress—

20                                   “(A) pursuant to subsection (b)(1)(B) of  
21                                   the designation of such country under sub-  
22                                   section (a); and

23                                   “(B) pursuant to subsection (b)(2) of the  
24                                   intent of the Secretary to enter into the agree-  
25                                   ment.”;

1           (3) by amending paragraph (3) to read as fol-  
2           lows:

3           “(3) With respect to each such agreement, the  
4           dollar amounts of—

5                   “(A) each class or type of logistic support,  
6                   supplies, and services provided in the preceding  
7                   fiscal year; and

8                   “(B) reciprocal provisions of logistic sup-  
9                   port, supplies, and services, or cash reimburse-  
10                  ments, received in such fiscal year.”;

11          (4) by amending paragraph (4) to read as fol-  
12          lows:

13          “(4) With respect to each such agreement, the  
14          dollar amounts of—

15                   “(A) each class or type of logistic support,  
16                   supplies, and services received; and

17                   “(B) reciprocal provisions of logistic sup-  
18                   port, supplies, and services, or cash reimburse-  
19                   ments provided.”;

20          (5) by striking paragraph (5); and

21          (6) by adding at the end the following new  
22          paragraphs:

23                   “(5) With respect to any transaction for logistic  
24                   support, supplies, and services that has not been rec-  
25                   onciled more than one year after the date on which

1 the transaction occurred, a description of the trans-  
2 action that includes the following:

3 “(A) The date on which the transaction oc-  
4 curred.

5 “(B) The country or organization to which  
6 logistic support, supplies, and services were pro-  
7 vided.

8 “(C) The value of the transaction.

9 “(6) An explanation of any waiver granted  
10 under section 2347(c) during the preceding fiscal  
11 year, including an identification of the relevant con-  
12 tingency operation or non-combat operation.”.

13 **SEC. 1283. MODIFICATION OF AUTHORITY FOR UNITED**  
14 **STATES-ISRAEL ANTI-TUNNEL COOPERATION**  
15 **ACTIVITIES.**

16 (a) **IN GENERAL.**—Subsection (a) of section 1279 of  
17 the National Defense Authorization Act for Fiscal Year  
18 2016 (22 U.S.C. 8606 note) is amended, in the first sen-  
19 tence, by striking “and to establish capabilities for coun-  
20 tering unmanned aerial systems”.

21 (b) **EXCEPTION TO MATCHING CONTRIBUTION RE-**  
22 **QUIREMENT.**—Subsection (b)(3) of such section is amend-  
23 ed—

24 (1) by striking “Support” and inserting the fol-  
25 lowing:

1           “(A) IN GENERAL.—Except as provided in  
2           subparagraph (B), support”; and

3           (2) by adding at the end the following:

4           “(B) EXCEPTION.—Subject to paragraph  
5           (4), the Secretary may use amounts available to  
6           the Secretary in excess of the amount contrib-  
7           uted by the Government of Israel to provide  
8           support under this subsection for costs associ-  
9           ated with any unique national requirement  
10          identified by the United States with respect to  
11          anti-tunnel capabilities.”.

12 **SEC. 1284. UNITED STATES-ISRAEL COOPERATION TO**  
13 **COUNTER UNMANNED AERIAL SYSTEMS.**

14          (a) **AUTHORITY TO ESTABLISH CAPABILITIES TO**  
15 **COUNTER UNMANNED AERIAL SYSTEMS.—**

16           (1) IN GENERAL.—The Secretary of Defense,  
17          upon request of the Ministry of Defense of Israel  
18          and in consultation with the Secretary of State and  
19          the Director of National Intelligence, is authorized  
20          to carry out research, development, test, and evalua-  
21          tion, on a joint basis with Israel, to establish capa-  
22          bilities for countering unmanned aerial systems that  
23          threaten the United States or Israel. Any activities  
24          carried out pursuant to such authority shall be con-  
25          ducted in a manner that appropriately protects sen-

1 sensitive technology and information and the national  
2 security interests of the United States and Israel.

3 (2) REPORT.—The activities described in para-  
4 graph (1) and subsection (b) may not be carried out  
5 until after the Secretary of Defense submits to the  
6 appropriate committees of Congress a report setting  
7 forth the following:

8 (A) A memorandum of agreement between  
9 the United States and Israel regarding sharing  
10 of research and development costs for the capa-  
11 bilities described in paragraph (1), and any  
12 supporting documents.

13 (B) A certification that the memorandum  
14 of agreement—

15 (i) requires sharing of costs of  
16 projects, including in-kind support, be-  
17 tween the United States and Israel;

18 (ii) establishes a framework to nego-  
19 tiate the rights to any intellectual property  
20 developed under the memorandum of  
21 agreement; and

22 (iii) requires the United States Gov-  
23 ernment to receive semiannual reports on  
24 expenditure of funds, if any, by the Gov-  
25 ernment of Israel, including a description

1 of what the funds have been used for,  
2 when funds were expended, and an identi-  
3 fication of entities that expended the  
4 funds.

5 (b) SUPPORT IN CONNECTION WITH THE PRO-  
6 GRAM.—

7 (1) IN GENERAL.—The Secretary of Defense is  
8 authorized to provide maintenance and sustainment  
9 support to Israel for the research, development, test,  
10 and evaluation activities authorized in subsection  
11 (a)(1). Such authority includes authority to install  
12 equipment necessary to carry out such research, de-  
13 velopment, test, and evaluation.

14 (2) REPORT.—Support may not be provided  
15 under paragraph (1) until 15 days after the Sec-  
16 retary submits to the appropriate committees of  
17 Congress a report setting forth a detailed description  
18 of the support to be provided.

19 (3) MATCHING CONTRIBUTION.—

20 (A) IN GENERAL.—Except as provided in  
21 subparagraph (B), support may not be provided  
22 under this subsection unless the Government of  
23 Israel contributes an amount not less than the  
24 amount of support to be so provided to the pro-  
25 gram, project, or activity for which the support

1 is to be so provided in the calendar year in  
2 which the support is provided.

3 (B) EXCEPTION.—Subject to paragraph  
4 (4), the Secretary may use amounts available to  
5 the Secretary in excess of the amount contrib-  
6 uted by the Government of Israel to provide  
7 support under this subsection for costs associ-  
8 ated with any unique national requirement  
9 identified by the United States with respect to  
10 countering unmanned aerial systems.

11 (4) ANNUAL LIMITATION ON AMOUNT.—The  
12 amount of support provided under this subsection in  
13 any year may not exceed \$25,000,000.

14 (5) USE OF CERTAIN AMOUNTS FOR RDT&E AC-  
15 TIVITIES IN THE UNITED STATES.—Of the amount  
16 provided by the United States in support under  
17 paragraph (1), not less than 50 percent of such  
18 amount shall be used for research, development,  
19 test, and evaluation activities in the United States in  
20 connection with such support.

21 (c) LEAD AGENCY.—The Secretary of Defense shall  
22 designate an appropriate research and development entity  
23 of a military department as the lead agency of the Depart-  
24 ment of Defense in carrying out this section.

1 (d) SEMIANNUAL REPORTS.—The Secretary of De-  
2 fense shall submit to the appropriate committees of Con-  
3 gress on a semiannual basis a report that contains a copy  
4 of the most recent semiannual report provided by the Gov-  
5 ernment of Israel to the Department of Defense pursuant  
6 to subsection (a)(2)(B)(iii).

7 (e) APPROPRIATE COMMITTEES OF CONGRESS DE-  
8 FINED.—In this section, the term “appropriate commit-  
9 tees of Congress” means—

10 (1) the Committee on Armed Services, the  
11 Committee on Foreign Relations, the Committee on  
12 Homeland Security, the Committee on Appropria-  
13 tions, and the Select Committee on Intelligence of  
14 the Senate; and

15 (2) the Committee on Armed Services, the  
16 Committee on Foreign Affairs, the Committee on  
17 Homeland Security, the Committee on Appropria-  
18 tions, and the Permanent Select Committee on Intel-  
19 ligence of the House of Representatives.

20 (f) SUNSET.—The authority in this section to carry  
21 out activities described in subsection (a), and to provide  
22 support described in subsection (b), shall expire on De-  
23 cember 31, 2024.

1 **SEC. 1285. MODIFICATION OF INITIATIVE TO SUPPORT PRO-**  
2 **TECTION OF NATIONAL SECURITY ACADEMIC**  
3 **RESEARCHERS FROM UNDUE INFLUENCE**  
4 **AND OTHER SECURITY THREATS.**

5 Section 1286(c) of the John S. McCain National De-  
6 fense Authorization Act for Fiscal Year 2019 (Public Law  
7 115–232) is amended by adding at the end the following  
8 new paragraph:

9 “(8) A list, developed in consultation with the  
10 Bureau of Industry and Security of the Department  
11 of Commerce, the Director of National Intelligence,  
12 and United States academic institutions that con-  
13 duct significant Department of Defense research or  
14 engineering activities, of academic institutions of the  
15 People’s Republic of China and the Russian Federa-  
16 tion that—

17 “(A) are associated with a defense pro-  
18 gram of the People’s Republic of China or the  
19 Russian Federation, including any university  
20 heavily engaged in military research;

21 “(B) are known—

22 “(i) to recruit individuals for the pur-  
23 pose of advancing the talent and capabili-  
24 ties of such a defense program; or

25 “(ii) to provide misleading transcripts  
26 or otherwise attempt to conceal the connec-

1                   tions of an individual or institution to such  
2                   a defense program; or

3                   “(C) pose a serious risk of intangible  
4                   transfers of defense or engineering technology  
5                   and research.”.

6 **SEC. 1286. INDEPENDENT ASSESSMENT OF HUMAN RIGHTS**  
7                   **SITUATION IN HONDURAS.**

8                   (a) ASSESSMENT REQUIRED.—

9                   (1) IN GENERAL.—Not later than 90 days after  
10                  the date of the enactment of this Act, the Secretary  
11                  of Defense shall select and enter into an agreement  
12                  with an independent think tank or a federally fund-  
13                  ed research and development center to conduct an  
14                  analysis and assessment of the compliance of the  
15                  military and security forces of Honduras with inter-  
16                  national human rights laws and standards.

17                  (2) MATTERS TO BE INCLUDED.—The assess-  
18                  ment under paragraph (1) shall include the fol-  
19                  lowing:

20                  (A) A description of the military-to-mili-  
21                  tary activities between the United States and  
22                  Honduras, including the manner in which De-  
23                  partment of Defense engagement with the mili-  
24                  tary and security forces of Honduras supports  
25                  the National Defense Strategy.

1           (B) An analysis and assessment of the ac-  
2           tivities of the military and security forces of  
3           Honduras with respect to human rights activ-  
4           ists.

5           (C) With respect to United States national  
6           security interests, an analysis and assessment  
7           of the challenges posed by corruption within the  
8           military and security forces of Honduras.

9           (D) An analysis of—

10           (i) the security assistance provided to  
11           Honduras by the Department of Defense  
12           during the 7-year period preceding the  
13           date of the enactment of this Act; and

14           (ii) the extent to which such assist-  
15           ance has improved accountability, trans-  
16           parency, and compliance to international  
17           human rights laws and standards in the  
18           security and military operations of the  
19           Government of Honduras.

20           (E) Recommendations on the development  
21           of future security assistance to Honduras that  
22           prioritizes—

23           (i) compliance of the military and se-  
24           curity forces of Honduras with human  
25           rights laws and standards;

1 (ii) citizen security; and

2 (iii) the advancement of United States  
3 national security interests with respect to  
4 countering the proliferation of illegal nar-  
5 cotics flows through Honduras.

6 (F) Any other matters the Secretary con-  
7 siders necessary and relevant to United States  
8 national security interests.

9 (b) REPORT.—Not later than 270 days after the date  
10 of the enactment of this Act, the entity selected under sub-  
11 section (a) shall submit to the appropriate committees of  
12 Congress a report on the results of the assessment con-  
13 ducted under that subsection.

14 (c) DEPARTMENT OF DEFENSE SUPPORT.—The Sec-  
15 retary shall provide the entity selected under subsection  
16 (a) with timely access to appropriate information, data,  
17 and analyses necessary to carry out the assessment in a  
18 thorough and independent manner.

19 (d) APPROPRIATE COMMITTEES OF CONGRESS DE-  
20 FINED.—In this section, the term “appropriate commit-  
21 tees of Congress” means—

22 (1) the Committee on Armed Services and the  
23 Committee on Foreign Relations of the Senate; and

1           (2) the Committee on Armed Services and the  
2           Committee on Foreign Affairs of the House of Rep-  
3           resentatives.

4 **SEC. 1287. UNITED STATES CENTRAL COMMAND POSTURE**  
5           **REVIEW.**

6           (a) COMPREHENSIVE REVIEW REQUIRED.—

7           (1) IN GENERAL.—To clarify the near-term pol-  
8           icy and strategy of the United States under the Na-  
9           tional Defense Strategy with respect to United  
10          States Central Command, the Secretary of Defense,  
11          in consultation with the Secretary of State and the  
12          Director of National Intelligence, as appropriate,  
13          shall conduct a comprehensive review of United  
14          States military force posture and capabilities in the  
15          United States Central Command area of responsi-  
16          bility during the posture review period.

17          (2) ELEMENTS.—The review conducted under  
18          paragraph (1) shall include, for the posture review  
19          period, the following elements:

20                 (A) An assessment of the threats and chal-  
21                 lenges in the United States Central Command  
22                 area of responsibility, including threats and  
23                 challenges posed to United States interests by  
24                 near-peer competitors.

1 (B) An explanation of the policy and stra-  
2 tegic frameworks for addressing the threats and  
3 challenges identified under subparagraph (A).

4 (C) An identification of current and future  
5 United States military force posture and capa-  
6 bilities necessary to counter threats, deter con-  
7 flict, and defend United States national security  
8 interests in the United States Central Com-  
9 mand area of responsibility.

10 (D) An assessment of the basing, coopera-  
11 tive security locations, and other infrastructure  
12 necessary to support steady state operations in  
13 support of the theater campaign plan and po-  
14 tential contingencies that may arise in or affect  
15 the United States Central Command area of re-  
16 sponsibility, including any potential efficiencies  
17 and risk mitigation measures to be taken.

18 (E) A description of methods to mitigate  
19 risk that may result from adjustments to  
20 United States military force posture and capa-  
21 bilities deployed in the United States Central  
22 Command area of responsibility.

23 (F) An explanation of the manner in which  
24 a modernized global operating model or dy-  
25 namic force employment approach may yield ef-

1           iciencies and increase strategic flexibility while  
2           achieving United States military objectives in  
3           the United States Central Command area of re-  
4           sponsibility.

5           (G) An articulation of the United States  
6           nonmilitary efforts and activities necessary to  
7           enable the achievement of United States na-  
8           tional security interests in the United States  
9           Central Command area of responsibility.

10           (H) Any other matter the Secretary con-  
11           siders relevant.

12           (b) REPORT.—

13           (1) IN GENERAL.—Not later than 270 days  
14           after the date of the enactment of this Act, the Sec-  
15           retary of Defense shall submit to the congressional  
16           defense committees a report on the results of the re-  
17           view conducted under subsection (a).

18           (2) FORM.—The report under paragraph (1)  
19           shall be submitted in unclassified form, but may in-  
20           clude a classified annex.

21           (c) POSTURE REVIEW PERIOD DEFINED.—In this  
22           section, the term “posture review period” means the pe-  
23           riod beginning on the date that is five years after the date  
24           of the enactment of this Act and ending on the date that  
25           is 15 years after such date of enactment.

1 **SEC. 1288. REPORTS ON EXPENSES INCURRED FOR IN-**  
2 **FLIGHT REFUELING OF SAUDI COALITION**  
3 **AIRCRAFT CONDUCTING MISSIONS RELATING**  
4 **TO CIVIL WAR IN YEMEN.**

5 (a) REPORTS REQUIRED.—

6 (1) IN GENERAL.—Not later than 30 days after  
7 the date of the enactment of this Act, and every 30  
8 days thereafter, the Secretary of Defense shall sub-  
9 mit a report to the appropriate committees of Con-  
10 gress detailing the expenses incurred by the United  
11 States in providing in-flight refueling services for  
12 Saudi or Saudi-led coalition non-United States air-  
13 craft conducting missions as part of the civil war in  
14 Yemen during the period of March 1, 2015, through  
15 November 11, 2018, and the extent to which such  
16 expenses have been reimbursed by members of the  
17 Saudi-led coalition.

18 (2) ELEMENTS.—Each report required under  
19 paragraph (1) shall include the following:

20 (A) The total expenses incurred by the  
21 United States in providing in-flight refueling  
22 services, including fuel, flight hours, and other  
23 applicable expenses, to Saudi or Saudi-led coali-  
24 tion, non-United States aircraft conducting mis-  
25 sions as part of the civil war in Yemen.

1           (B) The amount of the expenses described  
2           in subparagraph (A) that has been reimbursed  
3           by each member of the Saudi-led coalition.

4           (C) Any action taken by the United States  
5           to recoup the remaining expenses described in  
6           subparagraph (A), including any commitments  
7           by members of the Saudi-led coalition to reim-  
8           burse the United States for such expenses.

9           (3) SUNSET.—The reporting requirement under  
10          paragraph (1) shall cease to be effective on the date  
11          on which the Secretary certifies to the appropriate  
12          committees of Congress that all expenses incurred by  
13          the United States in providing in-flight refueling  
14          services for Saudi or Saudi-led coalition non-United  
15          States aircraft conducting missions as part of the  
16          civil war in Yemen during the period of March 1,  
17          2015, through November 11, 2018, have been reim-  
18          bursed.

19          (b) APPROPRIATE COMMITTEES OF CONGRESS DE-  
20          FINED.—In this section, the term “appropriate commit-  
21          tees of Congress” means—

22               (1) the Committee on Armed Services of the  
23               Senate;

24               (2) the Committee on Armed Services of the  
25               House of Representatives;

1           (3) the Committee on Foreign Relations of the  
2       Senate; and

3           (4) the Committee on Foreign Affairs of the  
4       House of Representatives.

5 **SEC. 1289. SENSE OF SENATE ON SECURITY CONCERNS**  
6                           **WITH RESPECT TO LEASING ARRANGEMENTS**  
7                           **FOR THE PORT OF HAIFA IN ISRAEL.**

8       It is the sense of the Senate that the United States—

9           (1) has an interest in the future forward pres-  
10       ence of United States naval vessels at the Port of  
11       Haifa in Israel but has serious security concerns  
12       with respect to the leasing arrangements of the Port  
13       of Haifa as of the date of the enactment of this Act;  
14       and

15           (2) should urge the Government of Israel to  
16       consider the security implications of foreign invest-  
17       ment in Israel.

18                           **TITLE XIII—COOPERATIVE**  
19                           **THREAT REDUCTION**

20 **SEC. 1301. FUNDING ALLOCATIONS FOR DEPARTMENT OF**  
21                           **DEFENSE COOPERATIVE THREAT REDUC-**  
22                           **TION PROGRAM.**

23       (a) IN GENERAL.—Of the \$338,700,000 authorized  
24       to be appropriated to the Department of Defense for fiscal  
25       year 2020 in section 301 and made available by the fund-

1 ing table in division D for the Department of Defense Co-  
2 operative Threat Reduction Program established under  
3 section 1321 of the Department of Defense Cooperative  
4 Threat Reduction Act (50 U.S.C. 3711), the following  
5 amounts may be obligated for the purposes specified:

6 (1) For strategic offensive arms elimination,  
7 \$492,000.

8 (2) For chemical weapons destruction,  
9 \$12,856,000.

10 (3) For global nuclear security, \$33,919,000.

11 (4) For biological threat reduction,  
12 \$183,642,000.

13 (5) For proliferation prevention, \$79,869,000.

14 (6) For activities designated as Other Assess-  
15 ments/Administrative Costs, \$27,922,000.

16 (b) AVAILABILITY OF FUNDS.—Funds appropriated  
17 pursuant to the authorization of appropriations in section  
18 301 and made available by the funding table in division  
19 D for the Department of Defense Cooperative Threat Re-  
20 duction Program shall be available for obligation for fiscal  
21 years 2020, 2021, and 2022.

1                   **TITLE XIV—OTHER**  
2                   **AUTHORIZATIONS**  
3           **Subtitle A—Military Programs**

4 **SEC. 1401. WORKING CAPITAL FUNDS.**

5           Funds are hereby authorized to be appropriated for  
6 fiscal year 2020 for the use of the Armed Forces and other  
7 activities and agencies of the Department of Defense for  
8 providing capital for working capital and revolving funds,  
9 as specified in the funding table in section 4501.

10 **SEC. 1402. CHEMICAL AGENTS AND MUNITIONS DESTRUC-**  
11                   **TION, DEFENSE.**

12           (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
13 are hereby authorized to be appropriated for the Depart-  
14 ment of Defense for fiscal year 2020 for expenses, not oth-  
15 erwise provided for, for Chemical Agents and Munitions  
16 Destruction, Defense, as specified in the funding table in  
17 section 4501.

18           (b) **USE.**—Amounts authorized to be appropriated  
19 under subsection (a) are authorized for—

20                   (1) the destruction of lethal chemical agents  
21                   and munitions in accordance with section 1412 of  
22                   the Department of Defense Authorization Act, 1986  
23                   (50 U.S.C. 1521); and

1           (2) the destruction of chemical warfare materiel  
2           of the United States that is not covered by section  
3           1412 of such Act.

4 **SEC. 1403. DRUG INTERDICTION AND COUNTER-DRUG AC-**  
5 **TIVITIES, DEFENSE-WIDE.**

6           Funds are hereby authorized to be appropriated for  
7 the Department of Defense for fiscal year 2020 for ex-  
8 penses, not otherwise provided for, for Drug Interdiction  
9 and Counter-Drug Activities, Defense-wide, as specified in  
10 the funding table in section 4501.

11 **SEC. 1404. DEFENSE INSPECTOR GENERAL.**

12           Funds are hereby authorized to be appropriated for  
13 the Department of Defense for fiscal year 2020 for ex-  
14 penses, not otherwise provided for, for the Office of the  
15 Inspector General of the Department of Defense, as speci-  
16 fied in the funding table in section 4501.

17 **SEC. 1405. DEFENSE HEALTH PROGRAM.**

18           Funds are hereby authorized to be appropriated for  
19 fiscal year 2020 for the Defense Health Program, as spec-  
20 ified in the funding table in section 4501, for use of the  
21 Armed Forces and other activities and agencies of the De-  
22 partment of Defense in providing for the health of eligible  
23 beneficiaries.

1           **Subtitle B—National Defense**  
2                           **Stockpile**

3   **SEC. 1411. MODIFICATION OF PROHIBITION ON ACQUISITION OF SENSITIVE MATERIALS FROM NON-**  
4                           **ALLIED FOREIGN NATIONS.**

6           (a) EXPANSION OF MATERIALS COVERED BY PROHIBITION ON SALE FROM NATIONAL DEFENSE STOCK-  
7           PILE.—Subsection (a)(2) of section 2533c of title 10,  
8           United States Code, is amended, in the matter preceding  
9           subparagraph (A), by striking “covered material” and in-  
10          serting “material”.

12          (b) INCLUSION OF TANTALUM IN DEFINITION OF  
13          COVERED MATERIALS.—Subsection (d)(1) of such section  
14          is amended—

15               (1) in subparagraph (C), by striking “; and”  
16               and inserting a semicolon;

17               (2) in subparagraph (D), by striking the period  
18               and inserting “; and”; and

19               (3) by adding at the end the following new sub-  
20          paragraph:

21                       “(E) tantalum.”.

1                   **Subtitle C—Armed Forces**  
2                   **Retirement Home**

3 **SEC. 1421. AUTHORIZATION OF APPROPRIATIONS FOR**  
4                   **ARMED FORCES RETIREMENT HOME.**

5           There is hereby authorized to be appropriated for fis-  
6 cal year 2020 from the Armed Forces Retirement Home  
7 Trust Fund the sum of \$64,300,000 for the operation of  
8 the Armed Forces Retirement Home.

9 **SEC. 1422. EXPANSION OF ELIGIBILITY FOR RESIDENCE AT**  
10                   **THE ARMED FORCES RETIREMENT HOME.**

11           (a) EXPANSION OF ELIGIBILITY TO CERTAIN MEM-  
12 BERS WITH NON-REGULAR SERVICE.—Section 1512(a) of  
13 the Armed Forces Retirement Home Act of 1991 (24  
14 U.S.C. 412(a)) is amended—

15                   (1) in the first sentence, by striking “active”;

16                   (2) in paragraph (1), by striking “are 60 years  
17 of age or over and” and

18                   (3) by adding the following new paragraph:

19                   “(5) Persons who are eligible for retired pay  
20 under chapter 1223 of title 10, United States Code,  
21 and—

22                           “(A) are eligible for care under section  
23 1710 of title 38, United States Code;

24                           “(B) are enrolled in coverage under chap-  
25 ter 55 of title 10, United States Code; or

1                   “(C) are enrolled in a qualified health plan  
2                   acceptable to the Chief Operating Officer.”.

3           (b) PARITY OF MONTHLY FEES.—Paragraph (2) of  
4 section 1514(e) of the Armed Forces Retirement Home  
5 Act of 1991 (24 U.S.C. 414(c)) is amended to read as  
6 follows:

7           “(2)(A) The fee shall be fixed as a percentage of the  
8 monthly income and monthly payments (including Federal  
9 payments) received by a resident. The percentage shall be  
10 the same for each facility of the Retirement Home. The  
11 Secretary of Defense may make any adjustment in the  
12 percentage that the Secretary determines appropriate.

13           “(B) The amount of the monthly income and monthly  
14 payments calculated under subparagraph (A) for a resi-  
15 dent accepted under section 1512(a)(5) may not be less  
16 than the current monthly retirement pay for equivalent ac-  
17 tive duty service as determined by the Chief Operating Of-  
18 ficer, except as the Chief Operating Officer may otherwise  
19 provide due to compelling personal circumstances of the  
20 resident.”.

21           (c) PAY DEDUCTIONS.—Section 1007(i) of title 37,  
22 United States Code, is amended—

23                   (1) in paragraph (1)—

24                           (A) by inserting “or compensation, as ap-  
25                           plicable,” after “pay”; and

1 (B) by striking “on active duty”;  
2 (2) in paragraph (3), by striking “Board” and  
3 inserting “Chief Operating Officer”; and  
4 (3) by striking paragraph (4).

5 (d) ADMISSION FEES FOR RESIDENTS BASED ON  
6 NON-REGULAR SERVICE.—Section 1514 of the Armed  
7 Forces Retirement Home Act of 1991, as amended by sub-  
8 section (b), is further amended—

9 (1) by redesignating subsections (b) and (c) as  
10 subsections (c) and (d), respectively;

11 (2) by inserting after subsection (a) the fol-  
12 lowing new subsection (b):

13 “(b) ADMISSION FEES FOR CERTAIN RESIDENTS.—  
14 The Administrator of each facility of the Retirement  
15 Home may also collect a fee upon admission from a resi-  
16 dent accepted under section 412(a)(5) equal to the deduc-  
17 tions then in effect under section 1007(i)(1) of title 37,  
18 United States Code, for each year of non-regular service  
19 of the resident before the date of the enactment of the  
20 National Defense Authorization Act for Fiscal Year  
21 2020.”; and

22 (3) in subsection (c), as redesignated by para-  
23 graph (1), by striking “subsection (a)” and inserting  
24 “subsections (a) and (b)”.

1                   **Subtitle D—Other Matters**

2   **SEC. 1431. AUTHORITY FOR TRANSFER OF FUNDS TO JOINT**  
3                   **DEPARTMENT OF DEFENSE-DEPARTMENT OF**  
4                   **VETERANS AFFAIRS MEDICAL FACILITY DEM-**  
5                   **ONSTRATION FUND FOR CAPTAIN JAMES A.**  
6                   **LOVELL HEALTH CARE CENTER, ILLINOIS.**

7           (a) **AUTHORITY FOR TRANSFER OF FUNDS.**—Of the  
8 funds authorized to be appropriated by section 1405 and  
9 available for the Defense Health Program for operation  
10 and maintenance, \$127,000,000 may be transferred by the  
11 Secretary of Defense to the Joint Department of Defense—  
12 Department of Veterans Affairs Medical Facility Dem-  
13 onstration Fund established by subsection (a)(1) of sec-  
14 tion 1704 of the National Defense Authorization Act for  
15 Fiscal Year 2010 (Public Law 111–84; 123 Stat. 2571).  
16 For purposes of subsection (a)(2) of such section 1704,  
17 any funds so transferred shall be treated as amounts au-  
18 thorized and appropriated specifically for the purpose of  
19 such a transfer.

20           (b) **USE OF TRANSFERRED FUNDS.**—For the pur-  
21 poses of subsection (b) of such section 1704, facility oper-  
22 ations for which funds transferred under subsection (a)  
23 may be used are operations of the Captain James A.  
24 Lovell Federal Health Care Center, consisting of the  
25 North Chicago Veterans Affairs Medical Center, the Navy

1 Ambulatory Care Center, and supporting facilities des-  
2 ignated as a combined Federal medical facility under an  
3 operational agreement covered by section 706 of the Dun-  
4 can Hunter National Defense Authorization Act for Fiscal  
5 Year 2009 (Public Law 110–417; 122 Stat. 4500).

6 **TITLE XV—AUTHORIZATION OF**  
7 **ADDITIONAL APPROPRIA-**  
8 **TIONS FOR OVERSEAS CON-**  
9 **TINGENCY OPERATIONS**

10 **Subtitle A—Authorization of**  
11 **Additional Appropriations**

12 **SEC. 1501. PURPOSE.**

13 The purpose of this subtitle is to authorize appropria-  
14 tions for the Department of Defense for fiscal year 2020  
15 to provide additional funds for overseas contingency oper-  
16 ations being carried out by the Armed Forces.

17 **SEC. 1502. OVERSEAS CONTINGENCY OPERATIONS.**

18 Funds are hereby authorized to be appropriated for  
19 fiscal year 2020 for the Department of Defense for over-  
20 seas contingency operations in such amounts as may be  
21 designated as provided in section 251(b)(2)(A)(ii) of the  
22 Balanced Budget and Emergency Deficit Control Act of  
23 1985 (2 U.S.C. 901(b)(2)(A)(ii)).

1 **SEC. 1503. PROCUREMENT.**

2 Funds are hereby authorized to be appropriated for  
3 fiscal year 2020 for procurement accounts for the Army,  
4 the Navy and the Marine Corps, the Air Force, and De-  
5 fense-wide activities, as specified in the funding table in  
6 section 4102.

7 **SEC. 1504. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
8 **TION.**

9 Funds are hereby authorized to be appropriated for  
10 fiscal year 2020 for the use of the Department of Defense  
11 for research, development, test, and evaluation, as speci-  
12 fied in the funding table in section 4202.

13 **SEC. 1505. OPERATION AND MAINTENANCE.**

14 Funds are hereby authorized to be appropriated for  
15 fiscal year 2020 for the use of the Armed Forces and other  
16 activities and agencies of the Department of Defense for  
17 expenses, not otherwise provided for, for operation and  
18 maintenance, as specified in the funding table in section  
19 4302.

20 **SEC. 1506. MILITARY PERSONNEL.**

21 Funds are hereby authorized to be appropriated for  
22 fiscal year 2020 for the use of the Armed Forces and other  
23 activities and agencies of the Department of Defense for  
24 expenses, not otherwise provided for, for military per-  
25 sonnel, as specified in the funding table in section 4402.

1 **SEC. 1507. WORKING CAPITAL FUNDS.**

2 Funds are hereby authorized to be appropriated for  
3 fiscal year 2020 for the use of the Armed Forces and other  
4 activities and agencies of the Department of Defense for  
5 providing capital for working capital and revolving funds,  
6 as specified in the funding table in section 4502.

7 **SEC. 1508. DRUG INTERDICTION AND COUNTER-DRUG AC-**  
8 **TIVITIES, DEFENSE-WIDE.**

9 Funds are hereby authorized to be appropriated for  
10 the Department of Defense for fiscal year 2020 for ex-  
11 penses, not otherwise provided for, for Drug Interdiction  
12 and Counter-Drug Activities, Defense-wide, as specified in  
13 the funding table in section 4502.

14 **SEC. 1509. DEFENSE INSPECTOR GENERAL.**

15 Funds are hereby authorized to be appropriated for  
16 the Department of Defense for fiscal year 2020 for ex-  
17 penses, not otherwise provided for, for the Office of the  
18 Inspector General of the Department of Defense, as speci-  
19 fied in the funding table in section 4502.

20 **SEC. 1510. DEFENSE HEALTH PROGRAM.**

21 Funds are hereby authorized to be appropriated for  
22 the Department of Defense for fiscal year 2020 for ex-  
23 penses, not otherwise provided for, for the Defense Health  
24 Program, as specified in the funding table in section 4502.

1       **Subtitle B—Financial Matters**

2       **SEC. 1521. TREATMENT AS ADDITIONAL AUTHORIZATIONS.**

3           The amounts authorized to be appropriated by this  
4 title are in addition to amounts otherwise authorized to  
5 be appropriated by this Act.

6       **SEC. 1522. SPECIAL TRANSFER AUTHORITY.**

7           (a) **AUTHORITY TO TRANSFER AUTHORIZATIONS.—**

8               (1) **AUTHORITY.**—Upon determination by the  
9 Secretary of Defense that such action is necessary in  
10 the national interest, the Secretary may transfer  
11 amounts of authorizations made available to the De-  
12 partment of Defense in this title for fiscal year 2020  
13 between any such authorizations for that fiscal year  
14 (or any subdivisions thereof). Amounts of authoriza-  
15 tions so transferred shall be merged with and be  
16 available for the same purposes as the authorization  
17 to which transferred.

18               (2) **LIMITATION.**—The total amount of author-  
19 izations that the Secretary may transfer under the  
20 authority of this subsection may not exceed  
21 \$2,500,000,000.

22           (b) **TERMS AND CONDITIONS.**—Transfers under this  
23 section shall be subject to the same terms and conditions  
24 as transfers under section 1001.

1 (c) ADDITIONAL AUTHORITY.—The transfer author-  
 2 ity provided by this section is in addition to the transfer  
 3 authority provided under section 1001.

4 **TITLE XVI—STRATEGIC PRO-**  
 5 **GRAMS, CYBER, AND INTEL-**  
 6 **LIGENCE MATTERS**

7 **Subtitle A—Space Activities**

8 **PART I—UNITED STATES SPACE FORCE**

9 **SEC. 1601. ASSISTANT SECRETARY OF DEFENSE FOR SPACE**  
 10 **POLICY.**

11 Section 138(b) of title 10, United States Code, is  
 12 amended by adding at the end the following new para-  
 13 graph:

14 “(5) One of the Assistant Secretaries is the Assistant  
 15 Secretary of Defense for Space Policy. The principal duty  
 16 of the Assistant Secretary shall be the overall supervision  
 17 of policy of the Department of Defense for space  
 18 warfighting.”.

19 **SEC. 1602. PRINCIPAL ASSISTANT TO THE SECRETARY OF**  
 20 **THE AIR FORCE FOR SPACE ACQUISITION**  
 21 **AND INTEGRATION.**

22 (a) REDESIGNATION OF PRINCIPAL ASSISTANT FOR  
 23 SPACE AS PRINCIPAL ASSISTANT FOR SPACE ACQUI-  
 24 TION AND INTEGRATION.—

1           (1) IN GENERAL.—The Principal Assistant to  
2           the Secretary of the Air Force for Space is hereby  
3           redesignated as the Principal Assistant to the Sec-  
4           retary of the Air Force for Space Acquisition and  
5           Integration.

6           (2) REFERENCES.—Any reference to the Prin-  
7           cipal Assistant to the Secretary of the Air Force for  
8           Space in any law, regulation, map, document,  
9           record, or other paper of the United States shall be  
10          deemed to be a reference to the Principal Assistant  
11          to the Secretary of the Air Force for Space Acquisi-  
12          tion and Integration.

13          (b) CODIFICATION OF POSITION AND RESPONSIBIL-  
14          ITIES.—

15               (1) IN GENERAL.—Chapter 903 of title 10,  
16          United States Code, is amended—

17                       (A) by redesignating section 9018 as sec-  
18                       tion 9018a; and

19                       (B) by inserting after section 9017 the fol-  
20                       lowing new section 9018:

21          “§ 9018. **Principal Assistant to the Secretary of the**  
22                               **Air Force for Space Acquisition and Inte-**  
23                               **gration**

24               “(a)(1) There is within the Office of the Secretary  
25          of the Air Force a Principal Assistant to the Secretary

1 of the Air Force for Space Acquisition and Integration,  
2 who shall be appointed from civilian life by the President,  
3 by and with the advice and consent of the Senate.

4 “(2) The individual serving as Principal Assistant  
5 shall have the protocol equivalent in the Department of  
6 Defense of an officer in the armed forces serving in a gen-  
7 eral or admiral grade.

8 “(b) Subject to the authority, direction, and control  
9 of the Secretary of the Air Force, the Principal Assistant  
10 to the Secretary of the Air Force for Space Acquisition  
11 and Integration shall do as follows:

12 “(1) Be responsible for all acquisition and inte-  
13 gration of the Air Force for space systems and pro-  
14 grams, including in support of the Commander of  
15 the United States Space Force under section 9064  
16 of this title.

17 “(2) Serve as the senior acquisition executive  
18 under section 1704 of this title for the Air Force for  
19 acquisition for space systems and programs, includ-  
20 ing for all major defense acquisition programs under  
21 chapter 144 of this title for space.

22 “(3) Oversee and direct each of the following:

23 “(A) The Space Rapid Capabilities Office  
24 under section 2273a of this title.

1                   “(B) The Space and Missile Systems Cen-  
2                   ter.

3                   “(C) The Space Development Agency.

4                   “(4) Oversee and direct acquisition projects for  
5                   all space systems and programs of the Air Force, in-  
6                   cluding projects for space systems and programs  
7                   transferred to the Principal Assistant pursuant to  
8                   section 1602(b)(4) of the National Defense Author-  
9                   ization Act for Fiscal Year 2020.

10                  “(5) Act as the chair of the Space Force Acqui-  
11                  sition Council under section 1602(c) of the National  
12                  Defense Authorization Act for Fiscal Year 2020.

13                  “(c) In addition to the responsibilities provided for  
14                  in subsection (b), the Principal Assistant shall have such  
15                  other responsibilities and perform such other duties as the  
16                  Secretary may prescribe.”.

17                  (2) CLERICAL AMENDMENT.—The table of sec-  
18                  tions at the beginning of chapter 903 of such title  
19                  is amended by striking the item relating to section  
20                  9018 and inserting the following new items:

“9018. Principal Assistant to the Secretary of the Air Force for Space Acquisi-  
tion and Integration.

“9018a. Administrative Assistant.”.

21                  (3) EXECUTIVE SCHEDULE LEVEL V.—Section  
22                  5416 of title 10, United States Code, is amended by  
23                  adding at the end the following new item:

1           “Principal Assistant to the Secretary of the Air  
2 Force for Space Acquisition and Integration.”.

3           (4) TRANSFER OF ACQUISITION PROJECTS FOR  
4 SPACE SYSTEMS AND PROGRAMS.—The Secretary of  
5 the Air Force shall transfer to the Principal Assist-  
6 ant to the Secretary of the Air Force for Space Ac-  
7 quisition and Integration under section 9018 of title  
8 10, United States Code (as added by this sub-  
9 section), responsibility for oversight, direction, and  
10 integration of any acquisition projects for space sys-  
11 tems and programs of the Air Force that are under  
12 the oversight or direction of the Assistant Secretary  
13 of the Air Force for Acquisition as of the date of the  
14 enactment of this Act.

15           (c) SPACE FORCE ACQUISITION COUNCIL.—

16           (1) IN GENERAL.—There is in the Department  
17 of the Air Force a council to be known as the  
18 “Space Force Acquisition Council” (in this sub-  
19 section referred to as the “Council”).

20           (2) MEMBERSHIP.—The members of the Coun-  
21 cil are as follows:

22                   (A) The Under Secretary of the Air Force.

23                   (B) The Principal Assistant to the Sec-  
24 retary of the Air Force for Space Acquisition

1           and Integration, who shall act as chair of the  
2           Council.

3           (C) The Assistant Secretary of Defense for  
4           Space Policy.

5           (D) The Director of the National Recon-  
6           naissance Office.

7           (E) The Commander of the United States  
8           Space Command.

9           (F) The Commander of the United States  
10          Space Force.

11          (3) FUNCTIONS.—The Council shall oversee, di-  
12          rect, and manage acquisition and integration of the  
13          Air Force for space systems and programs in order  
14          to ensure integration across the national security  
15          space enterprise.

16          (4) MEETINGS.—The Council shall meet not  
17          less frequently than monthly.

18          (5) REPORTS.—Not later than 30 days after  
19          the end of each calendar year quarter through the  
20          first calendar year quarter of 2025, the Council shall  
21          submit to the congressional defense committees a re-  
22          port on the activities of the Council during the cal-  
23          endar year quarter preceding the calendar year  
24          quarter in which such report is submitted.

1 (d) BRIEFINGS.—On or about March 31, 2020, and  
2 during every calendar year quarter thereafter through  
3 March 31, 2022, the Secretary of the Air Force shall pro-  
4 vide to the congressional defense committees a briefing on  
5 the current status of efforts to implement this section and  
6 the amendments made by this section. Each briefing may  
7 include such recommendations for legislative and adminis-  
8 trative action as the Secretary considers appropriate to fa-  
9 cilitate and enhance such efforts.

10 **SEC. 1603. MILITARY SPACE FORCES WITHIN THE AIR**  
11 **FORCE.**

12 (a) IN GENERAL.—Section 9062(c) of title 10,  
13 United States Code, is amended—

14 (1) by striking the first sentence and inserting  
15 the following:

16 “(1) The Air Force includes the following:

17 “(A) Aviation forces both combat and service  
18 not otherwise assigned.

19 “(B) Space forces.”; and

20 (2) by striking “It shall be organized” and in-  
21 serting the following:

22 “(2) The Air Force shall be organized”.

23 (b) TERRITORIAL ORGANIZATIONS.—

1           (1) IN GENERAL.—Subsection (b) of section  
2           9074 of title 10, United States Code, is amended by  
3           inserting “, including space,” after “other places”.

4           (2) HEADING AMENDMENT.—The heading of  
5           such section is amended to read as follows:

6   **“§ 9074. Commands: territorial and other organiza-**  
7           **tion”.**

8           (3) TABLE OF SECTIONS AMENDMENT.—The  
9           table of sections at the beginning of chapter 907 of  
10          such title is amended by striking the item relating  
11          to section 9074 and inserting the following new  
12          item:

“9074. Commands: territorial and other organization.”.

13 **SEC. 1604. REDESIGNATION OF AIR FORCE SPACE COM-**  
14           **MAND AS UNITED STATES SPACE FORCE.**

15          (a) REDESIGNATION.—The Air Force Space Com-  
16          mand is hereby redesignated as the United States Space  
17          Force (USSF).

18          (b) COMMANDER AND AUTHORITIES.—

19           (1) IN GENERAL.—Section 2279c of title 10,  
20          United States Code, is—

21           (A) transferred to chapter 907 of such  
22          title;

23           (B) inserted after section 9062; and

24           (C) as so transferred and inserted, amend-  
25          ed to read as follows:

1 **“§ 9063. United States Space Force**

2 “(a) UNITED STATES SPACE FORCE.—There is in  
3 the Air Force the United States Space Force.

4 “(b) COMMANDER.—(1) The head of the United  
5 States Space Force shall be the Commander of the United  
6 States Space Force, who shall be appointed in accordance  
7 with section 601 of this title. The officer serving as Com-  
8 mander, while so serving, has the grade of general or ad-  
9 miral without vacating the permanent grade of the officer.

10 “(2) The Commander shall be appointed to serve a  
11 term of four years.

12 “(c) TEMPORARY CONCURRENT SERVICE AS COM-  
13 MANDER OF USSF AND COMMANDER OF UNITED STATES  
14 SPACE COMMAND.—During the one-year period beginning  
15 on the date of the enactment of the National Defense Au-  
16 thorization Act for Fiscal Year 2020, the Secretary of De-  
17 fense may authorize an officer serving as the Commander  
18 of the United States Space Force to serve concurrently  
19 as the Commander of the United States Space Command  
20 under section 169 of this title, without further appoint-  
21 ment as otherwise provided for in subsection (c) of such  
22 section.

23 “(d) VICE COMMANDER.—The deputy head of the  
24 United States Space Force shall be the Vice Commander  
25 of the United States Space Force, who shall be appointed  
26 in accordance with section 601 of this title. The officer

1 serving as Vice Commander, while so serving, has the  
2 grade of general or admiral without vacating the perma-  
3 nent grade of the officer.

4 “(e) DUTIES.—(1) Subject to the authority, direc-  
5 tion, and control of the Secretary of the Air Force, the  
6 Commander of the United States Space Force shall do the  
7 following:

8 “(A) Exercise authority, direction, and control  
9 of all space operations-peculiar administrative mat-  
10 ters relating to the organization, training, and  
11 equipping of the space forces of the Air Force.

12 “(B) Exercise the authorities and responsibil-  
13 ities assigned to the Commander as Commander of  
14 the Air Force Space Command before December 12,  
15 2017.

16 “(C) Carry out such other duties as the Sec-  
17 retary may specify.

18 “(2) In carrying out duties under paragraph (1), the  
19 Commander of the United States Space Force shall report  
20 as follows:

21 “(A) During the one-year period beginning on  
22 the date of the enactment of the National Defense  
23 Authorization Act for Fiscal Year 2020, to the Sec-  
24 retary of the Air Force through the Chief of Staff  
25 of the Air Force.

1           “(B) After the period described in subpara-  
2           graph (A), directly to the Secretary of the Air Force.

3           “(3)(A) During the one-year period beginning on the  
4           date of the enactment of the National Defense Authoriza-  
5           tion Act of 2020, upon the request of the Chairman of  
6           the Joint Chiefs of Staff, the Commander of the United  
7           States Space Force may participate in any meeting of the  
8           Joint Chiefs of Staff in consideration by the Joint Chiefs  
9           of Staff of an issue in connection with a duty or responsi-  
10          bility of the Commander.

11          “(B) Commencing as of the end of the period de-  
12          scribed in subparagraph (A), the Commander of the  
13          United States Space Force shall be a member of the Joint  
14          Chiefs of Staff.

15          “(f) ELEMENTS.—(1) In addition to the elements of  
16          the Air Force Space Command as of the date of the enact-  
17          ment of the National Defense Authorization Act for Fiscal  
18          Year 2020, the United States Space Force shall include  
19          other military and civilian personnel of the Air Force (in-  
20          cluding appropriate elements of the Air National Guard  
21          and the Air Force Reserve), and other infrastructure, as-  
22          sets, and resources of the Air Force, assigned to the Space  
23          Force by the Secretary of the Air Force.

24          “(2) The Secretary shall provide for the Space Force  
25          a cadre of military and civilian personnel within the Air

1 Force who shall assist the Space Force in establishing and  
2 maintaining an ethos and culture for space warfighting.”.

3 (2) SERVICE OF INCUMBENT COMMANDER OF  
4 AIR FORCE SPACE COMMAND AS COMMANDER OF  
5 UNITED STATES SPACE FORCE.—The individual  
6 serving as Commander of the Air Force Space Com-  
7 mand as of the date of the enactment of this Act  
8 may serve as the Commander of the United States  
9 Space Force under subsection (b) of section 9063 of  
10 title 10, United States Code (as added by paragraph  
11 (1)), after that date without further appointment as  
12 otherwise provided for by that subsection.

13 (3) SECRETARY OF DEFENSE REPORT ON CON-  
14 CURRENCY OF COMMAND.—

15 (A) IN GENERAL.—Not later than one year  
16 after the date of the enactment of this Act, the  
17 Secretary of Defense shall submit to the con-  
18 gressional defense committees a report setting  
19 forth an assessment of the advisability of per-  
20 mitting the Commander of the United States  
21 Space Force to serve concurrently as Com-  
22 mander of the United States Space Command  
23 as authorized by subsection (c) of section 9063  
24 of title 10, United States Code (as so added).

1           (B) COMPTROLLER GENERAL BRIEFING.—  
2           Not later than 30 days after the submittal of  
3           the report required by subparagraph (A), the  
4           Comptroller General of the United States shall  
5           provide the congressional defense committees a  
6           briefing on the assessment of the Comptroller  
7           General of the matters contained in the report.

8           (4) SECRETARY OF THE AIR FORCE BRIEFINGS  
9           ON USSF.—On or about March 31, 2020, and during  
10          every calendar year quarter thereafter through  
11          March 31, 2022, the Secretary of the Air Force  
12          shall provide the congressional defense committees a  
13          briefing on the following:

14                (A) The current status of the missions and  
15                manpower of the United States Space Force  
16                under section 9063 of title 10, United States  
17                Code (as so added), including the current status  
18                of the assumption by the United States Space  
19                Force of the elements to constitute the United  
20                States Space Force, including the elements of  
21                the Air Force Space Command and the ele-  
22                ments assigned pursuant to subsection (f)(1) of  
23                such section.

24                (B) The current status of activities of the  
25                cadre of personnel required by subsection (f)(2)

1           of such section 9063 (as so added), including  
2           an assessment of the progress of the cadre in  
3           establishing and maintaining the ethos and cul-  
4           ture described in that subsection.

5           (5) NO AUTHORIZATION OF ADDITIONAL MILI-  
6           TARY BILLETS OR CIVILIAN PERSONNEL.—The Sec-  
7           retary of the Air Force shall carry out this sub-  
8           section and the amendments made by this subsection  
9           within military and civilian personnel of the Air  
10          Force otherwise authorized by this Act. Nothing in  
11          this subsection or the amendments made by this  
12          subsection shall be construed to authorize additional  
13          military billets or the employment of additional civil-  
14          ian personnel for the purposes of, or in connection  
15          with, the establishment of the United States Space  
16          Force.

17          (c) CONFORMING AMENDMENT TO US SPACE COM-  
18          MAND COMMANDER AUTHORITY.—Section 169(c) of title  
19          10, United States Code, is amended by striking paragraph  
20          (2) and inserting the following new paragraph (2):

21           “(2) If authorized by the Secretary of Defense pursu-  
22          ant to section 9063(c) of this title, the officer serving as  
23          Commander of the United States Space Force also serves  
24          concurrently as Commander of the United States Space  
25          Command, but only during the one-year period beginning

1 on the date of the enactment of the National Defense Au-  
2 thorization Act for Fiscal Year 2020.”.

3 (d) JOINT CHIEFS OF STAFF MATTERS.—Effective  
4 on the date that is one year after the date of the enact-  
5 ment of this Act, section 151(a) of title 10, United States  
6 Code, is amended by adding at the end the following new  
7 paragraph:

8 “(8) The Commander of the United States  
9 Space Force.”.

10 (e) CLERICAL AMENDMENTS.—

11 (1) CHAPTER 135.—The table of sections at the  
12 beginning of chapter 135 of title 10, United States  
13 Code, is amended by striking the item relating to  
14 section 2279c.

15 (2) CHAPTER 907.—The table of sections at the  
16 beginning of chapter 907 of such title is amended by  
17 inserting after the item relating to section 9062 the  
18 following new item:

“9063. United States Space Force.”.

19 (f) REFERENCES.—Any reference to the Air Force  
20 Space Command in any law, regulation, map, document,  
21 record, or other paper of the United States shall be  
22 deemed to be a reference to the United States Space  
23 Force.

1 **SEC. 1605. ASSIGNMENT OF PERSONNEL TO THE NATIONAL**  
2 **RECONNAISSANCE OFFICE FOR MISSION**  
3 **NEEDS.**

4 (a) USSF AS PRIMARY SOURCE OF PERSONNEL.—  
5 Effective as of the date of the enactment of this Act, mili-  
6 tary and civilian personnel of the United States Space  
7 Force under section 9063 of title 10, United States Code  
8 (as added by section 1604(b) of this Act), shall be the  
9 primary source of military and civilian personnel of the  
10 Department of the Air Force who may be assigned to the  
11 National Reconnaissance Office.

12 (b) ASSIGNMENT BY COMMANDER, USSF.—Subject  
13 to the authority, direction, and control of the Secretary  
14 of the Air Force, the Commander of the United States  
15 Space Force shall be responsible for the assignment of  
16 military and civilian personnel of the United States Space  
17 Force to the National Reconnaissance Office.

18 **SEC. 1606. REPORT ON ESTABLISHMENT OF POSITION OF**  
19 **UNDER SECRETARY OF THE AIR FORCE FOR**  
20 **SPACE.**

21 (a) IN GENERAL.—Not later than 180 days after the  
22 date of the enactment of this Act, the Secretary of the  
23 Air Force shall submit to the congressional defense com-  
24 mittees a report on the advisability of establishing within  
25 the Department of the Air Force a position of Under Sec-  
26 retary of the Air Force for Space with the responsibility

1 of providing civilian oversight to the United States Space  
2 Force (as provided for by section 1604 of this Act).

3 (b) CONSIDERATIONS.—In preparing the report re-  
4 quired by subsection (a), the Secretary shall take into con-  
5 sideration the tasks and operations of the staff of the Air  
6 Force in support of the space warfighting mission of the  
7 Air Force and such other matters as the Secretary con-  
8 siders appropriate.

9 **SEC. 1607. REPORT ON ENHANCED INTEGRATION OF CAPA-**  
10 **BILITIES OF THE NATIONAL SECURITY AGEN-**  
11 **CY, THE NATIONAL GEOSPATIAL-INTEL-**  
12 **LIGENCE AGENCY, AND THE UNITED STATES**  
13 **SPACE COMMAND FOR JOINT OPERATIONS.**

14 Not later than 180 days after the date of the enact-  
15 ment of this Act, the Secretary of Defense shall, in coordi-  
16 nation with the Director of National Intelligence, submit  
17 to the congressional defense committees a report setting  
18 forth the results of a review, conducted for purposes of  
19 the report, on processes designed to achieve more effective  
20 integration of capabilities among the National Security  
21 Agency, the National Geospatial-Intelligence Agency, and  
22 the United States Space Command for joint operations in  
23 a manner that does not result in the impairment of the  
24 authorities or responsibilities of the Director.

1 **SEC. 1608. LIMITATION ON AVAILABILITY OF FUNDS.**

2 None of the amounts authorized to be appropriated  
3 for fiscal year 2020 by this Act and available for the Air  
4 Force for programs, projects, or activities for space, in-  
5 cluding acquisition programs, projects, or activities, may  
6 be obligated or expended until the date on which the Sec-  
7 retary of the Air Force completes briefings of the congres-  
8 sional defense committees on the plans of the Air Force  
9 to implement this part and the amendments made by this  
10 part, including the following:

11 (1) The establishment of the office of the Prin-  
12 cipal Assistant to the Secretary of the Air Force for  
13 Space Acquisition and Integration under section  
14 9018 of title 10, United States Code (as added by  
15 section 1602 of this Act).

16 (2) The establishment of the United States  
17 Space Force required by section 9063 of title 10,  
18 United States Code (as added by section 1604 of  
19 this Act).

20 **PART II—OTHER SPACE MATTERS**

21 **SEC. 1611. REPEAL OF REQUIREMENT TO ESTABLISH**  
22 **SPACE COMMAND AS A SUBORDINATE UNI-**  
23 **FIED COMMAND OF THE UNITED STATES**  
24 **STRATEGIC COMMAND.**

25 (a) IN GENERAL.—Section 169 of title 10, United  
26 States Code, is repealed.

1 (b) TECHNICAL AND CONFORMING AMENDMENT.—  
2 The table of sections for chapter 6 of title 10, United  
3 States Code, is amended by striking the item relating to  
4 section 169.

5 **SEC. 1612. PROGRAM TO ENHANCE AND IMPROVE LAUNCH**  
6 **SUPPORT AND INFRASTRUCTURE.**

7 (a) IN GENERAL.—In support of the policy described  
8 in section 2273(a) of title 10, United States Code, the Sec-  
9 retary of Defense may carry out a program to enhance  
10 infrastructure and improve support activities for the proc-  
11 essing and launch of Department of Defense small-class  
12 and medium-class payloads.

13 (b) PROGRAM.—The program under subsection (a)  
14 shall include improvements to operations at launch ranges  
15 and Federal Aviation Administration-licensed spaceports  
16 that are consistent with, and necessary to permit, the use  
17 of such launch ranges and spaceports by the Department.

18 (c) CONSULTATION.—In carrying out the program  
19 under subsection (a), the Secretary may consult with cur-  
20 rent and anticipated users of launch ranges and Federal  
21 Aviation Administration-licensed spaceports, including the  
22 Space Rapid Capabilities Office.

23 (d) COOPERATION.—In carrying out the program  
24 under subsection (a), the Secretary may enter into a con-

1 tract or agreement under section 2276 of title 10, United  
2 States Code.

3 (e) REPORT.—Not later than 270 days after the date  
4 of the enactment of this Act, the Secretary shall submit  
5 to the congressional defense committees a report describ-  
6 ing a plan for the program under subsection (a).

7 **SEC. 1613. MODIFICATION OF ENHANCEMENT OF POSI-**  
8 **TIONING, NAVIGATION, AND TIMING CAPAC-**  
9 **ITY.**

10 (a) CAPABILITY FOR TRUSTED SIGNALS.—

11 (1) SUBSECTION HEADING.—Subsection (a) of  
12 section 1609 of the John S. McCain National De-  
13 fense Authorization Act for Fiscal Year 2019 (Pub-  
14 lic Law 115–232) is amended, in the subsection  
15 heading, by striking “TRUSTED SIGNALS” and in-  
16 serting “ALTERNATIVE GLOBAL NAVIGATION SAT-  
17 ELLITE SYSTEM SIGNALS”.

18 (2) REQUIREMENT.—Paragraph (1) of such  
19 subsection is amended to read as follows:

20 “(1) REQUIREMENT.—The Secretary of the Air  
21 Force shall ensure that military Global Positioning  
22 System (GPS) user equipment terminals have the  
23 capability, as appropriate to user needs and con-  
24 straints, to incorporate signals from the Galileo sat-  
25 ellites of the European Union and the QZSS sat-

1 ellites of Japan, beginning with the implementation  
2 of open-system architecture solutions, such as the  
3 Resilient-Embedded GPS/Inertial Navigation System  
4 (R-EGI), to accompany other alternative and com-  
5plementary navigation sources for robust positioning,  
6 navigation, and timing.”.

7 (3) WAIVER.—Paragraph (2) of such subsection  
8 is amended—

9 (A) in subparagraph (A), by striking  
10 “could not integrate such capability beginning  
11 with increment 2 of the acquisition of such ter-  
12minals” and inserting “should not integrate  
13 such capability into the Resilient-Embedded  
14 GPS/Inertial Navigation System architecture”;  
15 and

16 (B) in subparagraph (B), by inserting  
17 “that considers the addition of multi-Global  
18 Navigation Satellite System (GNSS) signals to  
19 provide substantive military utility” after “such  
20 terminals”.

21 (b) CAPABILITY FOR OTHER SIGNALS.—Subsection  
22 (b) of such section is amended, in the matter preceding  
23 paragraph (1)—

1           (1) by inserting “other allied and” before “non-  
2 allied positioning, navigation, and timing signals”;  
3 and

4           (2) by striking “increment 2 of the acquisition  
5 of such terminals” and inserting “the Resilient-Em-  
6 bedded GPS/Inertial Navigation System architec-  
7 ture”.

8 **SEC. 1614. MODIFICATION OF TERM OF COMMANDER OF**  
9 **AIR FORCE SPACE COMMAND.**

10       Section 2279c(a)(2) of title 10, United States Code,  
11 is amended, in the first sentence, by striking “six years”  
12 and inserting “four years”.

13 **SEC. 1615. ANNUAL REPORT ON SPACE COMMAND AND**  
14 **CONTROL PROGRAM.**

15       (a) IN GENERAL.—For each of fiscal years 2021  
16 through 2025, concurrent with the submittal to Congress  
17 of the budget of the Department of Defense with the budg-  
18 et of the President for the subsequent fiscal year under  
19 section 1105(a) of title 31, United States Code, the Sec-  
20 retary of the Air Force shall submit to the Under Sec-  
21 retary of Defense for Acquisition and Sustainment, the  
22 congressional defense committees, and the Comptroller  
23 General of the United States, an annual report on the  
24 Space Command and Control program.

1 (b) MATTERS TO BE INCLUDED.—Each report re-  
2 quired by subsection (a) shall include the following:

3 (1) A description of any modification to the  
4 metrics established by the Secretary in the acqui-  
5 sition strategy for the program.

6 (2) The short-term objectives for the subse-  
7 quent fiscal year.

8 (3) For the preceding fiscal year, a description  
9 of—

10 (A) the ongoing, achieved, and deferred ob-  
11 jectives;

12 (B) the challenges encountered and the les-  
13 sons learned;

14 (C) the modifications made or planned so  
15 as to incorporate such lessons learned into sub-  
16 sequent efforts to address challenges; and

17 (D) the cost, schedule, and performance ef-  
18 fects of such modifications.

19 (c) REVIEW OF REPORTS AND BRIEFING BY COMP-  
20 TROLLER GENERAL.—With respect to each report sub-  
21 mitted under this section, the Comptroller General shall  
22 review and provide to the congressional defense commit-  
23 tees a briefing on a date mutually agreed on by the Comp-  
24 troller General and the congressional defense committees.

1 **SEC. 1616. REQUIREMENTS FOR PHASE 2 OF ACQUISITION**  
2 **STRATEGY FOR NATIONAL SECURITY SPACE**  
3 **LAUNCH PROGRAM.**

4 In carrying out phase 2 of the acquisition strategy  
5 for the national security space launch program, the Sec-  
6 retary of the Air Force—

7 (1) may not—

8 (A) modify the acquisition schedule or mis-  
9 sion performance requirements; or

10 (B) award missions to more than two  
11 launch service providers; and

12 (2) shall ensure that launch services are pro-  
13 cured only from launch service providers that use  
14 launch vehicles meeting each Government require-  
15 ment with respect to required payloads to reference  
16 orbits.

17 **Subtitle B—Defense Intelligence**  
18 **and Intelligence-related Activities**

19 **SEC. 1621. REDESIGNATION OF UNDER SECRETARY OF DE-**  
20 **FENSE FOR INTELLIGENCE AS UNDER SEC-**  
21 **RETARY OF DEFENSE FOR INTELLIGENCE**  
22 **AND SECURITY.**

23 (a) REDESIGNATION OF UNDER SECRETARY.—

24 (1) IN GENERAL.—The Under Secretary of De-  
25 fense for Intelligence is hereby redesignated as the

1 Under Secretary of Defense for Intelligence and Se-  
2 curity.

3 (2) SERVICE OF INCUMBENT IN POSITION.—

4 The individual serving as Under Secretary of De-  
5 fense for Intelligence as of the date of the enactment  
6 of this Act may serve as Under Secretary of Defense  
7 for Intelligence and Security commencing as of that  
8 date without further appointment under section 137  
9 of title 10, United States Code (as amended by sub-  
10 section (c)(1)(A)(ii)).

11 (3) REFERENCE.—Any reference in any law,  
12 regulation, map, document, paper, or other record of  
13 the United States to the Under Secretary of Defense  
14 for Intelligence shall be deemed to be a reference to  
15 the Under Secretary of Defense for Intelligence and  
16 Security.

17 (b) REDESIGNATION OF RELATED DEPUTY UNDER  
18 SECRETARY.—

19 (1) IN GENERAL.—The Deputy Under Sec-  
20 retary of Defense for Intelligence is hereby redesi-  
21 gnated as the Deputy Under Secretary of Defense for  
22 Intelligence and Security.

23 (2) SERVICE OF INCUMBENT IN POSITION.—

24 The individual serving as Deputy Under Secretary of  
25 Defense for Intelligence as of the date of the enact-

1       ment of this Act may serve as Deputy Under Sec-  
2       retary of Defense for Intelligence and Security com-  
3       mencing as of that date without further appointment  
4       under section 137a of title 10, United States Code  
5       (as amended by subsection (c)(1)(B)).

6           (3) REFERENCE.—Any reference in any law,  
7       regulation, map, document, paper, or other record of  
8       the United States to the Deputy Under Secretary of  
9       Defense for Intelligence shall be deemed to be a ref-  
10      erence to the Deputy Under Secretary of Defense  
11      for Intelligence and Security.

12      (c) CONFORMING AMENDMENTS.—

13           (1) TITLE 10.—Title 10, United States Code, is  
14      amended as follows:

15           (A) In each provision as follows, by strik-  
16      ing “Under Secretary of Defense for Intel-  
17      ligence” and inserting “Under Secretary of De-  
18      fense for Intelligence and Security”:

19           (i) Section 131(b)(3)(F).

20           (ii) Section 137, each place it appears.

21           (iii) Section 139a(d)(6).

22           (iv) Section 139b(c)(2)(E).

23           (v) Section 181(d)(1)(B).

24           (vi) Section 393(b)(2)(C).

1 (vii) Section 426, each place it ap-  
2 pears.

3 (viii) Section 430(a).

4 (B) In section 137a(e)(6), by striking  
5 “Deputy Under Secretary of Defense for Intel-  
6 ligence” and inserting “Deputy Under Sec-  
7 retary of Defense for Intelligence and Secu-  
8 rity”.

9 (C) The heading of section 137 is amended  
10 to read as follows:

11 **“§ 137. Under Secretary of Defense for Intelligence  
12 and Security”.**

13 (D) The table of sections at the beginning  
14 of chapter 4 is amended by striking the item re-  
15 lating to section 137 and inserting the following  
16 new item:

“137. Under Secretary of Defense for Intelligence and Security.”.

17 (2) TITLE 5.—Title 5, United States Code, is  
18 amended as follows:

19 (A) In section 5314, by striking “Under  
20 Secretary of Defense for Intelligence” and in-  
21 serting “Under Secretary of Defense for Intel-  
22 ligence and Security”.

23 (B) In section 5315, by striking “Deputy  
24 Under Secretary of Defense for Intelligence”

1           and inserting “Deputy Under Secretary of De-  
2           fense for Intelligence and Security”.

3 **SEC. 1622. REPEAL OF CERTAIN REQUIREMENTS RELATING**  
4           **TO INTEGRATION OF DEPARTMENT OF DE-**  
5           **FENSE INTELLIGENCE, SURVEILLANCE, AND**  
6           **RECONNAISSANCE CAPABILITIES.**

7           (a) REPEAL.—Section 426 of title 10, United States  
8 Code, is hereby repealed.

9           (b) CLERICAL AMENDMENT.—The table of sections  
10 at the beginning of chapter 21 of such title is amended  
11 by striking the item relating to section 426.

12 **SEC. 1623. IMPROVING THE ONBOARDING METHODOLOGY**  
13           **FOR CERTAIN INTELLIGENCE PERSONNEL.**

14           (a) IN GENERAL.—The Secretary of Defense and the  
15 Director of National Intelligence shall, consistent with De-  
16 partment of Defense Instruction 1400.25, as in effect on  
17 the day before the date of the enactment of this Act—

18           (1) not later than 180 days after the date of  
19 the enactment of this Act, submit to the appropriate  
20 committees of Congress a report that outlines a  
21 common methodology for measuring onboarding in  
22 covered elements of the intelligence community, in-  
23 cluding human resources and security processes;

24           (2) not later than one year after the date of the  
25 enactment of this Act, issue metrics for assessing

1 key phases in the onboarding described in paragraph  
2 (1) for which results will be reported by the date  
3 that is 90 days after the date of such issuance;

4 (3) not later than 180 days after the date of  
5 the enactment of this Act, submit to the appropriate  
6 committees of Congress a report on collaboration  
7 among covered elements of the intelligence commu-  
8 nity on their onboarding processes;

9 (4) not later than 180 days after the date of  
10 the enactment of this Act, submit to the appropriate  
11 committees of Congress a report on employment of  
12 automated mechanisms in covered elements of the  
13 intelligence community, including for tracking per-  
14 sonnel as they pass through each phase of the  
15 onboarding process; and

16 (5) not later than December 31, 2020, dis-  
17 tribute surveys to human resources offices and appli-  
18 cants about their experiences with the onboarding  
19 process in covered elements of the intelligence com-  
20 munity.

21 (b) DEFINITIONS.—In this section:

22 (1) The term “appropriate committees of Con-  
23 gress” means—

1 (A) the Select Committee on Intelligence  
2 and the Committee on Armed Services of the  
3 Senate; and

4 (B) the Permanent Select Committee on  
5 Intelligence and the Committee on Armed Serv-  
6 ices of the House of Representatives.

7 (2) The term “covered elements of the intel-  
8 ligence community” means the elements of the intel-  
9 ligence community that are within the following:

10 (A) The Department of Energy.

11 (B) The Department of Homeland Secu-  
12 rity.

13 (C) The Department of Justice.

14 (D) The Department of State.

15 (E) The Department of the Treasury.

16 **SEC. 1624. DEFENSE COUNTERINTELLIGENCE AND SECU-**  
17 **RITY AGENCY ACTIVITIES ON FACILITATING**  
18 **ACCESS TO LOCAL CRIMINAL RECORDS HIS-**  
19 **TORICAL DATA.**

20 (a) **ACTIVITY AUTHORIZED.**—The Director of the  
21 Defense Counterintelligence and Security Agency may  
22 carry out a set of activities relating to facilitating access  
23 by the Agency to local criminal records historical data.

1 (b) ACTIVITIES CHARACTERIZED.—The activities  
2 carried out under subsection (a) shall include only the fol-  
3 lowing:

4 (1) Training and education.

5 (2) Outreach to State, local, and tribal authori-  
6 ties.

7 (3) Direct assistance.

8 (c) REPORTS.—

9 (1) INITIAL REPORT.—Not later than 90 days  
10 after the date of the enactment of this Act, the Di-  
11 rector shall submit to the congressional defense com-  
12 mittees a report that details a concept of operation  
13 for the set of activities authorized by subsection (a).

14 (2) ANNUAL REPORTS.—Not later than one  
15 year after the date on which the Director submits a  
16 report pursuant to paragraph (1) and not less fre-  
17 quently than once each year thereafter, the Director  
18 shall submit to the congressional defense committees  
19 a detailed report on the activities carried out by the  
20 Director under this section.

## 21 **Subtitle C—Cyberspace-related** 22 **Matters**

23 **SEC. 1631. REORIENTATION OF BIG DATA PLATFORM PRO-**  
24 **GRAM.**

25 (a) REORIENTATION OF PROGRAM.—

1           (1) IN GENERAL.—Not later than January 1,  
2           2021, the Secretary of Defense shall—

3                   (A) reorient the Big Data Platform pro-  
4                   gram as specified in this section; and

5                   (B) align the reorientation effort under an  
6                   existing line of effort of the Cyber Strategy of  
7                   the Department of Defense.

8           (2) OVERSIGHT OF IMPLEMENTATION.—The  
9           Secretary shall act through the Principal Cyber Ad-  
10          visor and the supporting Cross Functional Team in  
11          the oversight of the implementation of paragraph  
12          (1).

13          (b) COMMON BASELINE AND SECURITY CLASSIFICA-  
14          TION SCHEME.—

15               (1) IN GENERAL.—Not later than January 1,  
16               2021, the Secretary shall establish a common base-  
17               line and security classification scheme for the collec-  
18               tion, storage, processing, querying, analysis, and ac-  
19               cessibility of a common and comprehensive set of  
20               metadata from sensors, applications, appliances,  
21               products, and systems deployed across the Depart-  
22               ment of Defense Information Network (DODIN) to  
23               enable the discovery, tracking, and remediation of  
24               cybersecurity threats.

1           (2) REQUIREMENTS.—In carrying out para-  
2 graph (1), the Secretary shall—

3           (A) take such actions as the Secretary con-  
4 siderers necessary to standardize deployed infra-  
5 structure, including the Department of De-  
6 fense’s perimeter capabilities at the Internet  
7 Access Points and the Joint Regional Security  
8 Stacks, and the routing of data laterally and  
9 vertically from Department of Defense Informa-  
10 tion Network segments and tiers, to enable  
11 standard and comprehensive metadata collec-  
12 tion;

13           (B) take such actions as the Secretary con-  
14 siderers necessary to standardize deployed cyber-  
15 security applications, products, and sensors and  
16 the routing of data laterally and vertically from  
17 Department of Defense Information Network  
18 segments and tiers, to enable standard and  
19 comprehensive metadata collection;

20           (C) develop an enterprise-wide architecture  
21 and strategy for—

22           (i) where to place sensors or extract  
23 data from network information technology,  
24 operational technology, and cybersecurity

1 appliances, applications, products, and sys-  
2 tems for cybersecurity purposes;

3 (ii) which metadata data records  
4 should be universally sent to Big Data  
5 Platform instances and which metadata  
6 data records, if any, should be locally re-  
7 tained; and

8 (iii) expeditiously and efficiently  
9 transmitting metadata records to the Big  
10 Data Platform instances, including the ac-  
11 quisition and installation of further data  
12 bandwidth;

13 (D) determine the appropriate number, or-  
14 ganization, and functions of separate Big Data  
15 Platform instances, and whether the Big Data  
16 Platform instances that are currently managed  
17 by Department of Defense components, includ-  
18 ing the military services, should instead be  
19 jointly and regionally organized;

20 (E) determine the appropriate roles of the  
21 Defense Information Systems Agency's Acrop-  
22 olis and United States Cyber Command's Scarif  
23 Big Data Platforms as enterprise-wide real-time  
24 cybersecurity situational awareness capabilities,

1 as complements or replacements for component-  
2 level Big Data Platform instances;

3 (F) ensure that all Big Data Platform in-  
4 stances are engineered and approved to enable  
5 standard access and query capabilities by the  
6 Unified Platform, the network defense service  
7 providers, and the Cyber Mission Forces, with  
8 centrally managed authentication and author-  
9 ization services;

10 (G) prohibit barriers to information shar-  
11 ing, distributed query, data analysis, and col-  
12 laboration across Big Data Platform instances,  
13 such as incompatible interfaces, interconnection  
14 service agreements, and the imposition of ac-  
15 creditation boundaries;

16 (H) transition all Big Data Platform in-  
17 stances to a cloud computing environment in  
18 alignment with the cloud strategy of the Chief  
19 Information Officer of the Department of De-  
20 fense;

21 (I) consider whether packet capture data-  
22 bases should continue to be maintained sepa-  
23 rately from the Big Data Platform instances,  
24 managed at the secret level of classification,  
25 and treated as malware-infected when the pack-

1 et data are copies of packets extant in the De-  
2 partment of Defense Information Network;

3 (J) in the case that the Secretary decides  
4 to sustain the status quo on packet capture  
5 databases, ensure that analysts operating on or  
6 from the Unified Platform, the Big Data Plat-  
7 form instances, the network defense services  
8 providers, and the Cyber Mission Force units  
9 can directly access packets and query the data-  
10 base; and

11 (K) consider whether the Joint Artificial  
12 Intelligence Center's cybersecurity artificial in-  
13 telligence national mission initiative should in-  
14 clude an application for the metadata residing  
15 in the Big Data Platform instances.

16 (c) LIMIT ON DATA AND DATA INDEXING SCHEMA.—  
17 The Secretary shall ensure that the Unified Platform pro-  
18 gram utilizes the data and the data indexing schema that  
19 is native to the Big Data Platform rather than creating  
20 a duplicate index or data tagger.

21 (d) ANALYTICS AND APPLICATION SOURCING AND  
22 COLLABORATION.—The Secretary shall ensure that the  
23 Services and office of the Big Data Platform program—

24 (1) seek advanced analytics and applications  
25 from Government and commercial sources that can

1 be executed on the deployed Big Data Platform ar-  
2 chitecture; and

3 (2) collaborate with vendors offering commer-  
4 cial analytics and applications, including support to  
5 refactoring commercial capabilities to the Govern-  
6 ment platform where industry can still own the intel-  
7 lectual property embedded in the analytics and ap-  
8 plications.

9 (e) BRIEFING REQUIRED.—Not later than 180 days  
10 after the date of the enactment of this Act and not less  
11 frequently than once every 180 days thereafter until the  
12 activities required by subsection (a)(1) are completed, the  
13 Secretary shall provide the congressional defense commit-  
14 tees a briefing on the activities of the Secretary in carrying  
15 out subsection (b).

16 **SEC. 1632. ZERO-BASED REVIEW OF DEPARTMENT OF DE-**  
17 **FENSE CYBER AND INFORMATION TECH-**  
18 **NOLOGY PERSONNEL.**

19 (a) REVIEW REQUIRED.—Not later than January 1,  
20 2021, each head of a covered department, component, or  
21 agency shall—

22 (1) complete a zero-based review of the cyber  
23 and information technology personnel of the head's  
24 covered department, component, or agency; and

1           (2) provide the Principal Cyber Advisor, the  
2 Chief Information Officer of the Department of De-  
3 fense, and the Under Secretary of Defense for Per-  
4 sonnel and Readiness the findings of the head with  
5 respect to the head's covered department, compo-  
6 nent, or agency.

7           (b) COVERED DEPARTMENTS, COMPONENTS, AND  
8 AGENCIES.—For purposes of this section, a covered de-  
9 partment, component, or agency is—

10           (1) an independent Department of Defense  
11 component or agency;

12           (2) the Office of the Secretary of Defense;

13           (3) a component of the Joint Staff;

14           (4) a military department or an armed force; or

15           (5) a reserve component of the Armed Forces.

16           (c) SCOPE OF REVIEW.—As part of a review con-  
17 ducted pursuant to subsection (a)(1), the head of a cov-  
18 ered department, component, or agency shall, with respect  
19 to the covered department, component, or agency of the  
20 head—

21           (1) assess military, civilian, and contractor posi-  
22 tions and personnel performing cyber and informa-  
23 tion technology missions;

24           (2) determine the roles and functions assigned  
25 by reviewing existing position descriptions and con-

1 ducting interviews to quantify the current workload  
2 performed by military, civilian, and contractor work-  
3 force;

4 (3) compare the Department's manning with  
5 the manning of comparable industry organizations;

6 (4) include evaluation of the utility of cyber-  
7 and information technology-focused missions, posi-  
8 tions, and personnel within such components—

9 (A) to assess the effectiveness and effi-  
10 ciency of current activities;

11 (B) to assess the necessity of increasing,  
12 reducing, or eliminating resources; and

13 (C) to guide prioritization of investment  
14 and funding;

15 (5) develop recommendations and objectives for  
16 organizational, manning, and equipping change, tak-  
17 ing into account anticipated developments in infor-  
18 mation technologies, workload projections, automa-  
19 tion and process enhancements, and Department re-  
20 quirements;

21 (6) develop a gap analysis, contrasting the cur-  
22 rent organization and the objectives developed pur-  
23 suant to paragraph (5); and

1           (7) develop roadmaps of prioritized activities  
2           and a timeline for implementing the activities to  
3           close the gaps identified pursuant to paragraph (6).

4           (d) ELEMENTS.—In carrying out a review pursuant  
5 to subsection (a)(1), the head of a covered department,  
6 component, or agency shall consider the following:

7           (1) Whether position descriptions and coding  
8           designators for given cybersecurity and information  
9           technology roles are accurate indicators of the work  
10          being performed.

11          (2) Whether the function of any cybersecurity  
12          or information technology position or personnel can  
13          be replaced by acquisition of cybersecurity or infor-  
14          mation technology products or automation.

15          (3) Whether a given component or subcompo-  
16          nent is over- or under-resourced in terms of per-  
17          sonnel, using industry standards as a benchmark  
18          where applicable.

19          (4) Whether cybersecurity service provider posi-  
20          tions and personnel fit coherently into the enter-  
21          prise-wide cybersecurity architecture and with the  
22          Department's cyber protection teams.

23          (5) Whether the function of any cybersecurity  
24          or information technology position or personnel  
25          could be conducted more efficiently or effectively by

1 enterprise-level cyber or information technology per-  
2 sonnel.

3 (e) FURNISHING DATA AND ANALYSIS.—

4 (1) DATA AND ANALYSIS.—In carrying out sub-  
5 section (a)(2), each head of a covered department,  
6 component, or agency, shall furnish to the Principal  
7 Cyber Advisor, the Chief Information Officer, and  
8 the Under Secretary a description of the analysis  
9 that led to the findings submitted under such sub-  
10 section and the data used in such analysis.

11 (2) CERTIFICATION.—The Principal Cyber Ad-  
12 visor, the Chief Information Officer, and the Under  
13 Secretary of Defense shall jointly review each sub-  
14 mittal under subsection (a)(2) and certify whether  
15 the findings and analysis are in compliance with the  
16 requirements of this section.

17 (f) RECOMMENDATIONS.—After receiving findings  
18 submitted by a head of a covered department, component,  
19 or agency pursuant to paragraph (2) of subsection (a)  
20 with respect to a review conducted by the head pursuant  
21 to paragraph (1) of such subsection, the Principal Cyber  
22 Advisor, the Chief Information Officer, and the Under  
23 Secretary shall jointly provide to such head such rec-  
24 ommendations as the Principal Cyber Advisor, the Chief  
25 Information Officer, and the Under Secretary may have

1 for changes in manning or acquisition that proceed from  
2 such review.

3 (g) IMPLEMENTATION.—The Principal Cyber Advi-  
4 sor, the Chief Information Officer, and the Under Sec-  
5 retary shall jointly oversee and assist in the implementa-  
6 tion of the roadmaps developed pursuant to subsection  
7 (c)(7) and the recommendations developed pursuant to  
8 subsection (f).

9 (h) IN-PROGRESS REVIEWS.—Not later than six  
10 months after the date of the enactment of this Act and  
11 not less frequently than once every six months thereafter  
12 until the Principal Cyber Advisor, the Chief Information  
13 Officer, and the Under Secretary give the briefing re-  
14 quired by subsection (i), the Principal Cyber Advisor, the  
15 Chief Information Officer, and the Under Secretary shall  
16 jointly—

17 (1) conduct in-progress reviews of the status of  
18 the reviews required by subsection (a)(1); and

19 (2) provide the congressional defense commit-  
20 tees with a briefing on such in-progress reviews.

21 (i) FINAL BRIEFING.—After all of the reviews have  
22 been completed under paragraph (1) of subsection (a),  
23 after receiving all of the findings pursuant to paragraph  
24 (2) of such subsection, and not later than June 1, 2021,  
25 the Principal Cyber Advisor, the Chief Information Offi-

1 cer, and the Under Secretary shall jointly provide to the  
2 congressional defense committees a briefing on the find-  
3 ings of the Principal Cyber Advisor, the Chief Information  
4 Officer, and the Under Secretary with respect to such re-  
5 views, including such recommendations as the Principal  
6 Cyber Advisor, the Chief Information Officer, and the  
7 Under Secretary may have for changes to the budget of  
8 the Department as a result of such reviews.

9 (j) DEFINITION OF ZERO-BASED REVIEW.—In this  
10 section, the term “zero-based review” means a review in  
11 which assessment is conducted with each item, position,  
12 or person costed anew, rather than in relation to its size  
13 or status in any previous budget.

14 **SEC. 1633. STUDY ON IMPROVING CYBER CAREER PATHS IN**  
15 **THE NAVY.**

16 (a) STUDY REQUIRED.—Not later than October 1,  
17 2020, the Secretary of the Navy and the Chief of Naval  
18 Operations shall jointly—

19 (1) complete a study on methods to improve  
20 military and civilian cyber career paths within the  
21 Navy; and

22 (2) submit to the congressional defense commit-  
23 tees a report on the findings of the Secretary and  
24 Chief with respect to the study completed pursuant

1 to paragraph (1) and submit such report with all of  
2 the data used in such study.

3 (b) ELEMENTS.—The report submitted pursuant to  
4 subsection (a)(2) shall include the following:

5 (1) A plan for implementing career paths for ci-  
6 vilian and military personnel tailored to develop ex-  
7 pertise in cyber skill sets, including skills sets appro-  
8 priate for offensive and defensive military cyber op-  
9 erations.

10 (2) Suggested changes to the processes that  
11 govern the identification of talent and career pro-  
12 gression of the civilian and military workforce.

13 (3) A methodology for a cyber workforce assign-  
14 ment policy that deliberately builds depth and  
15 breadth of knowledge regarding the conduct of cyber  
16 operations throughout an entire career.

17 (4) Possible enhancements to identifying, re-  
18 cruiting, training, and retaining the cyber workforce,  
19 both civilian and military, especially for Interactive  
20 On-Net operators and tool developers.

21 (5) Recommendations for legislative and admin-  
22 istrative actions to address the findings and rec-  
23 ommendations of the Secretary and the Chief with  
24 respect to the study completed pursuant to sub-  
25 section (a)(1).

1 (c) CONSULTATION.—In conducting the study re-  
2 quired by subsection (a)(1), the Secretary and the Chief  
3 shall consult with the following:

4 (1) The Principal Cyber Advisor of the Depart-  
5 ment of Defense.

6 (2) The Secretary of the Air Force.

7 (3) The Air Force Chief of Staff.

8 (4) The Secretary of the Army.

9 (5) The Army Chief of Staff.

10 (6) The Commandant of the Marine Corps.

11 (7) The Under Secretary of Defense for Per-  
12 sonnel and Readiness.

13 (8) The Chief Information Officer of the De-  
14 partment of Defense.

15 (9) The Commander of the United States Cyber  
16 Command.

17 **SEC. 1634. FRAMEWORK TO ENHANCE CYBERSECURITY OF**  
18 **THE UNITED STATES DEFENSE INDUSTRIAL**  
19 **BASE.**

20 (a) FRAMEWORK REQUIRED.—Not later than Feb-  
21 ruary 1, 2020, the Secretary of Defense shall develop a  
22 consistent, comprehensive framework to enhance cyberse-  
23 curity for the United States defense industrial base.

24 (b) ELEMENTS.—The framework developed pursuant  
25 to subsection (a) shall include the following:

1           (1) Identification of unified cybersecurity stand-  
2           ards, regulations, metrics, ratings, third-party cer-  
3           tifications, or requirements to be imposed on the de-  
4           fense industrial base for the purpose of assessing the  
5           cybersecurity of individual contractors.

6           (2) The roles and responsibilities of various ac-  
7           tivities within the Department of Defense, across the  
8           entire acquisition process, beginning with market re-  
9           search, including responsibility determination, solici-  
10          tation, and award, and continuing with contractor  
11          management and oversight on matters relating to  
12          cybersecurity.

13          (3) The responsibilities of the prime contrac-  
14          tors, and all subcontractors in the supply chain, for  
15          implementing the required cybersecurity standards,  
16          regulations, metrics, ratings, third-party certifi-  
17          cations, and requirements identified under para-  
18          graph (1).

19          (4) A plan to provide implementation guidance,  
20          education, manuals, and, as necessary, direct tech-  
21          nical support or assistance to such contractors on  
22          matters relating to cybersecurity.

23          (5) Methods and programs for defining and  
24          managing controlled unclassified information, and

1 for limiting the presence of unnecessary sensitive in-  
2 formation on contractor networks.

3 (6) Quantitative metrics for assessing the effec-  
4 tiveness of the overall framework over time, with re-  
5 spect to the exfiltration of controlled unclassified in-  
6 formation from the defense industrial base.

7 (c) MATTERS FOR CONSIDERATION.—In developing  
8 the framework required by subsection (a), the Secretary  
9 shall consider the following:

10 (1) Designating an official to be responsible for  
11 the cybersecurity of the defense industrial base.

12 (2) Evaluating methods, standards, metrics,  
13 and third-party certifications for assessing the cyber-  
14 security of individual contractors.

15 (3) Ensuring a consistent approach across the  
16 Department to matters relating to the cybersecurity  
17 of the defense industrial base.

18 (4) Tailoring cybersecurity requirements for  
19 small- and medium-sized contractors based on a  
20 risk-based approach.

21 (5) Ensuring the Department's traceability and  
22 visibility of cybersecurity compliance of suppliers to  
23 all levels of the supply chain.

24 (6) Evaluating incentives and penalties for cy-  
25 bersecurity performance of suppliers.

1           (7) Integrating cybersecurity and traditional  
2 counterintelligence measures, requirements, and pro-  
3 grams.

4           (8) Establishing a secure software development  
5 environment (DevSecOps) in a cloud environment in-  
6 side the perimeter of the Department for contractors  
7 to do their development work.

8           (9) Establishing a secure cloud environment  
9 where contractors could access the data of the De-  
10 partment needed for their contract work.

11          (10) Establishing a Cybersecurity Maturity  
12 Model Certification for defense industrial base com-  
13 panies, scoring companies on a rating scale, and re-  
14 quiring certain ratings for contract awards.

15          (11) Providing additional assistance to small  
16 companies in the form of training, mentoring, ap-  
17 proved security product lists, and approved lists of  
18 security-as-a-service providers.

19          (12) Technological means, operational concepts,  
20 reference architectures, offensive counterintelligence  
21 operation concepts, and plans for operationalization  
22 to complicate adversary espionage, including  
23 honeypotting and data obfuscation.

24          (13) Implementing enhanced security vulner-  
25 ability assessments for contractors working on crit-

1 ical acquisition programs, technologies, manufac-  
2 turing capabilities, and research areas.

3 (14) Identifying ways to better leverage tech-  
4 nology and employ machine learning or artificial in-  
5 telligence capabilities, such as Internet Protocol  
6 monitoring and data integrity capabilities to be ap-  
7 plied to contractor information systems that host,  
8 receive, or transmit controlled unclassified informa-  
9 tion.

10 (15) Developing tools to easily segregate pro-  
11 gram data to only allow subcontractors access to  
12 their specific information.

13 (16) Appropriate communications of threat as-  
14 sessments of the defense industrial base to the ac-  
15 quisition workforce at all classification levels.

16 (17) Appropriate communications with industry  
17 on the impact of cybersecurity considerations in con-  
18 tracting and procurement decisions.

19 (d) CONSULTATION.—In developing the framework  
20 required by subsection (a), the Secretary shall consult with  
21 the following:

22 (1) Industry groups representing the defense in-  
23 dustrial base.

24 (2) Contractors in the defense industrial base.

1           (3) The Director of the National Institute of  
2 Standards and Technology.

3           (4) The Secretary of Energy and the Nuclear  
4 Regulatory Commission.

5           (5) The Director of National Intelligence.

6 (e) BRIEFING.—

7           (1) IN GENERAL.—Not later than March 11,  
8 2020, the Secretary of Defense shall provide the  
9 congressional defense committees with a briefing on  
10 the framework developed pursuant to subsection (a).

11           (2) CONTENTS.—The briefing required by para-  
12 graph (1) shall include the following:

13                   (A) An overview of the framework devel-  
14 oped in subsection (a).

15                   (B) Identification of such pilot programs  
16 as the Secretary considers may be required to  
17 improve the cybersecurity of the defense indus-  
18 trial base.

19                   (C) Implementation timelines and identi-  
20 fication of costs.

21                   (D) Such recommendations as the Sec-  
22 retary may have for legislative action to im-  
23 prove the cybersecurity of the defense industrial  
24 base.

25 (f) QUARTERLY BRIEFINGS.—

1           (1) IN GENERAL.—Not less frequently than  
2           once each quarter until February 1, 2022, the Sec-  
3           retary of Defense shall brief the congressional de-  
4           fense committees on the status of development and  
5           implementation of the framework required by sub-  
6           section (a).

7           (2) COORDINATION WITH OTHER BRIEFINGS.—  
8           Each briefing under paragraph (1) shall be con-  
9           ducted in conjunction with a quarterly briefing  
10          under section 484(a) of title 10, United States Code.

11          (3) ELEMENTS.—Each briefing under para-  
12          graph (1) shall include the following:

13                 (A) The current status of the development  
14                 and implementation of the framework required  
15                 by subsection (a).

16                 (B) A description of the efforts undertaken  
17                 by the Secretary to evaluate the matters for  
18                 consideration set forth in subsection (c).

19                 (C) The current status of any pilot pro-  
20                 grams the Secretary is carrying out to develop  
21                 the framework.

1 **SEC. 1635. ROLE OF CHIEF INFORMATION OFFICER IN IM-**  
2 **PROVING ENTERPRISE-WIDE CYBERSECU-**  
3 **RITY.**

4 (a) **IN GENERAL.**—In carrying out the responsibil-  
5 ities established in section 142 of title 10, United States  
6 Code, the Chief Information Officer of the Department of  
7 Defense shall, to the maximum extent practicable, ensure  
8 that the cybersecurity programs and capabilities of the  
9 Department—

10 (1) fit into an enterprise-wide cybersecurity ar-  
11 chitecture;

12 (2) are maximally interoperable with each  
13 other, including those deployed by the components of  
14 the Department;

15 (3) enhance enterprise-level visibility and re-  
16 sponsiveness to threats; and

17 (4) are developed, procured, instituted, and  
18 managed in a cost-efficient manner, exploiting  
19 economies of scale and enterprise-wide services and  
20 discouraging unnecessary customization and piece-  
21 meal acquisition.

22 (b) **REQUIREMENTS.**—In carrying out subsection (a),  
23 the Chief Information Officer shall—

24 (1) manage and modernize the cybersecurity ar-  
25 chitecture of the Department, including—

1 (A) ensuring the cybersecurity architecture  
2 of the Department maximizes cybersecurity ca-  
3 pability, network, and endpoint activity data-  
4 sharing across Department components;

5 (B) ensuring the cybersecurity architecture  
6 of the Department supports improved automa-  
7 ticity of cybersecurity detection and response;  
8 and

9 (C) modernizing and configuring the De-  
10 partment's standardized deployed perimeter,  
11 network-level, and endpoint capabilities to im-  
12 prove interoperability, meet pressing capability  
13 needs, and negate common adversary tactics,  
14 techniques, and procedures;

15 (2) establish mechanisms to enable and man-  
16 date, as necessary, cybersecurity capability, and net-  
17 work and endpoint activity data-sharing across De-  
18 partment components;

19 (3) make mission data, through data tagging,  
20 automatic transmission, and other means, accessible  
21 and discoverable by Department components other  
22 than owners of those mission data;

23 (4) incorporate emerging cybersecurity tech-  
24 nologies from the Defense Advanced Research  
25 Projects Agency, the Strategic Capabilities Office,

1 the Defense Innovation Unit, the laboratories of the  
2 military departments, and the commercial sector into  
3 the cybersecurity architecture of the Department;  
4 and

5 (5) ensure that the Department possesses the  
6 necessary computing infrastructure, through tech-  
7 nology refresh, installation or acquisition of band-  
8 width, and the use of cloud computing power, to  
9 host and enable necessary cybersecurity capabilities.

10 **SEC. 1636. QUARTERLY ASSESSMENTS OF THE READINESS**  
11 **OF CYBER FORCES.**

12 (a) IN GENERAL.—Section 484(b) of title 10, United  
13 States Code, is amended—

14 (1) by redesignating paragraph (4) as para-  
15 graph (5); and

16 (2) by inserting after paragraph (3) the fol-  
17 lowing new paragraph (4):

18 “(4) An assessment of the readiness of the  
19 Cyber Mission Forces that—

20 “(A) addresses all of the abilities of the  
21 Department to conduct cyberspace operations  
22 based on capability and capacity of personnel,  
23 equipment, training, and equipment condition—

24 “(i) using both quantitative and quali-  
25 tative metrics; and

1                   “(ii) in a way that is common to all  
2                   military departments; and

3                   “(B) is consistent with readiness reporting  
4                   pursuant to section 482 of this title.”.

5           (b) METRICS.—

6                   (1) ESTABLISHMENT REQUIRED.—The Sec-  
7                   retary of Defense shall establish metrics for the as-  
8                   sessment of the readiness of the Cyber Mission  
9                   Forces of the Department of Defense.

10                   (2) BRIEFING REQUIRED.—Not later than 90  
11                   days after the date of the enactment of this Act, the  
12                   Secretary will provide a briefing to the congressional  
13                   defense committees on the metrics established pursu-  
14                   ant to paragraph (1).

15           (c) MODIFICATION OF READINESS REPORTING SYS-  
16                   TEM.—Not later than 180 days after the date of the enact-  
17                   ment of this Act, the Secretary shall take such actions  
18                   as the Secretary considers appropriate to ensure that the  
19                   comprehensive readiness reporting system established pur-  
20                   suant to section 117(a) of title 10, United States Code,  
21                   covers matters relating to the readiness of the Cyber Mis-  
22                   sion Forces—

23                   (1) using the metrics established pursuant to  
24                   subsection (b)(1); and

1           (2) in a manner that is consistent with sections  
2           117 and 482 of such title.

3           (d) **FIRST QUARTERLY BRIEFING ASSESSING CYBER**  
4 **READINESS.**—The amendments made by subsection (a)  
5 shall take effect on the date that is 180 days after the  
6 date of the enactment of this Act.

7 **SEC. 1637. CONTROL AND ANALYSIS OF DEPARTMENT OF**  
8 **DEFENSE DATA STOLEN THROUGH CYBER-**  
9 **SPACE.**

10          (a) **REQUIREMENTS.**—When the Secretary of De-  
11 fense determines that significant Department of Defense  
12 information may have been stolen through cyberspace and  
13 evidence of theft of the data in question—

14           (1) is in the possession of a component of the  
15 Department, the Secretary shall—

16           (A) either transfer or replicate and trans-  
17 fer such Department data in a prompt and se-  
18 cure manner to a secure repository with access  
19 by Department personnel appropriately limited  
20 on a need-to-know basis;

21           (B) ensure the Department applies such  
22 automated analytic tools and capabilities to the  
23 repository of potentially compromised data as  
24 are necessary to rapidly understand the scope  
25 and effect of the potential compromise;

1 (C) for high priority Department systems,  
2 develop analytic products that characterize the  
3 scope of data compromised;

4 (D) ensure that all mission-affected enti-  
5 ties in the Department are made aware of the  
6 theft or possible theft and, as damage assess-  
7 ment and mitigation proceeds, are kept ap-  
8 prised of the extent of the data stolen; and

9 (E) ensure that the Department counter-  
10 intelligence organizations are—

11 (i) fully integrated with any damage  
12 assessment team assigned to the breach;

13 (ii) fully informed of the data that  
14 have or potentially have been stolen and  
15 the effect of such theft; and

16 (iii) provided resources and tasked, in  
17 conjunction with subject matter experts  
18 and responsible authorities, to immediately  
19 develop and execute countermeasures in re-  
20 sponse to a breach involving espionage and  
21 data theft; or

22 (2) is in the possession of or under controls or  
23 restrictions imposed by the Federal Bureau of Inves-  
24 tigation, or a national counterintelligence or intel-  
25 ligence organization, the Secretary shall determine,

1 jointly with the Director of the Federal Bureau of  
2 Investigation or the Director of National Intel-  
3 ligence, as appropriate, the most expeditious process,  
4 means, and conditions for carrying out the activities  
5 otherwise required by paragraph (1).

6 (b) RECOMMENDATIONS.—Not later than 90 days  
7 after the date of the enactment of this Act, the Secretary  
8 shall submit to the congressional defense committees such  
9 recommendations as the Secretary may have for legislative  
10 or administrative action to address such barriers as may  
11 be inhibiting the implementation of this section.

12 **SEC. 1638. ACCREDITATION STANDARDS AND PROCESSES**  
13 **FOR CYBERSECURITY AND INFORMATION**  
14 **TECHNOLOGY PRODUCTS AND SERVICES.**

15 (a) ASSESSMENT.—The Chief Information Officer of  
16 the Department of Defense shall conduct an enterprise as-  
17 sessment of accreditation of standards and processes for  
18 cybersecurity and information technology products and  
19 services.

20 (b) REPORT.—

21 (1) IN GENERAL.—Not later than April 1,  
22 2020, the Chief Information Officer shall submit to  
23 the congressional defense committees a report on the  
24 assessment conducted under subsection (a).

1           (2) CONTENTS.—The report submitted under  
2 paragraph (1) shall include the following:

3           (A) The findings of the Chief Information  
4 Officer with respect to the assessment con-  
5 ducted under subsection (a).

6           (B) A description of the modifications pro-  
7 posed or enacted to accreditation standards and  
8 processes arising out of the assessment.

9           (C) A description of how the Department  
10 will increasingly automate accreditation proc-  
11 esses, pursue agile development, incorporate  
12 machine learning, and foster reciprocity across  
13 authorizing officials.

14 **SEC. 1639. EXTENSION OF AUTHORITIES FOR CYBERSPACE**  
15 **SOLARIUM COMMISSION.**

16           Section 1652(k) of the John S. McCain National De-  
17 fense Authorization Act for Fiscal Year 2019 (Public Law  
18 115–232) is amended—

19           (1) in paragraph (1), by striking “September 1,  
20 2019” and inserting “February 1, 2020”; and

21           (2) in paragraph (2), by striking “and intel-  
22 ligence committees” and inserting “committees, the  
23 congressional intelligence committees, the Committee  
24 on Homeland Security and Governmental Affairs of

1 the Senate, and the Committee on Homeland Security of the House of Representatives”.

3 **SEC. 1640. MODIFICATION OF ELEMENTS OF ASSESSMENT**  
4 **REQUIRED FOR TERMINATION OF DUAL-HAT**  
5 **ARRANGEMENT FOR COMMANDER OF THE**  
6 **UNITED STATES CYBER COMMAND.**

7 Section 1642(b)(2)(C) of the National Defense Au-  
8 thorization Act for Fiscal Year 2017 (130 Stat. 2601;  
9 Public Law 114–328) is amended—

10 (1) in clause (ii), by inserting “and national in-  
11 telligence operations” after “operations”;

12 (2) by amending clause (iii) to read as follows:

13 “(iii) The tools, weapons, and accesses  
14 used in and available for military cyber op-  
15 erations are sufficient for achieving re-  
16 quired effects and United States Cyber  
17 Command is capable of acquiring or devel-  
18 oping these tools, weapons, and accesses.”;

19 and

20 (3) by amending clause (vi) to read as follows:

21 “(vi) The cyber mission force has  
22 achieved full operational capability and has  
23 demonstrated the capacity to execute the  
24 cyber missions of the Department, includ-  
25 ing—

1                   “(I) execution of national-level  
2                   missions through cyberspace, includ-  
3                   ing deterrence and disruption of ad-  
4                   versary cyber activity;

5                   “(II) defense of the Department  
6                   of Defense Information Network; and

7                   “(III) support for other combat-  
8                   ant commands, including targeting of  
9                   adversary military assets.”.

10 **SEC. 1641. USE OF NATIONAL SECURITY AGENCY CYBERSE-**  
11 **CURITY EXPERTISE TO SUPPORT ACQUISI-**  
12 **TION OF COMMERCIAL CYBERSECURITY**  
13 **PRODUCTS.**

14           (a) **ADVISORY MISSION.**—The National Security  
15 Agency shall, as a mission in its role in securing the infor-  
16 mation systems of the Department of Defense, advise and  
17 assist the Department of Defense in its acquisition and  
18 adaptation of cybersecurity products and services from in-  
19 dustry, especially the commercial cybersecurity sector.

20           (b) **PROGRAM TO IMPROVE ACQUISITION OF CYBER-**  
21 **SECURITY PRODUCTS AND SERVICES.**—

22                   (1) **ESTABLISHMENT.**—Consistent with para-  
23 graph (1), the Director of the National Security  
24 Agency shall establish a permanent program con-  
25 sisting of market research, testing, and expertise

1 transmission, or augments to existing programs, to  
2 improve the acquisition by the Department of cyber-  
3 security products and services.

4 (2) REQUIREMENTS.—Under the program es-  
5 tablished pursuant to paragraph (1), the Director  
6 shall, independently and at the request of compo-  
7 nents of the Department—

8 (A) test and evaluate commercially-avail-  
9 able cybersecurity products and services  
10 using—

11 (i) generally known cyber operations  
12 techniques; and

13 (ii) tools and cyber operations tech-  
14 niques and advanced tools and techniques  
15 available to the National Security Agency;

16 (B) develop and establish standard proce-  
17 dures, techniques, and threat-informed metrics  
18 to perform the testing and evaluation required  
19 by subparagraph (A); and

20 (C) advise the Secretary of Defense on the  
21 merits and disadvantages of evaluated cyberse-  
22 curity products, including with respect to—

23 (i) any synergies between products;

24 (ii) value;

1 (iii) matters relating to operation and  
2 maintenance; and

3 (iv) matters relating to customization  
4 requirements.

5 (3) LIMITATIONS.—The program established  
6 under paragraph (1) shall not—

7 (A) be used to accredit cybersecurity prod-  
8 ucts and services for use by the Department;

9 (B) create approved products lists; or

10 (C) be used for acquisition contracts for  
11 the procurement and fielding of cybersecurity  
12 products on behalf of the Department.

13 **SEC. 1642. STUDY ON FUTURE CYBER WARFIGHTING CAPA-**  
14 **BILITIES OF DEPARTMENT OF DEFENSE.**

15 (a) STUDY REQUIRED.—Not later than 30 days after  
16 the date of the enactment of this Act, the Secretary of  
17 Defense shall direct the Defense Science Board to carry  
18 out a study on the future cyber warfighting capabilities  
19 of the Department of Defense.

20 (b) PARTICIPATION.—Participants in the study shall  
21 include the following:

22 (1) Such members of the Board, including  
23 members of the Task Force on Cyber Deterrence of  
24 the Board, as the Chairman of the Board considers  
25 appropriate for the study.

1           (2) Such additional temporary members or con-  
2           tracted support as the Secretary—

3                   (A) selects from those recommended by the  
4           Chairman for purposes of the study; and

5                   (B) considers to have significant technical,  
6           policy, or military expertise.

7           (c) ELEMENTS.—The study conducted pursuant to  
8           subsection (a) shall include the following:

9                   (1) A technical evaluation of the Joint Cyber  
10           Warfighting Architecture of the Department, espe-  
11           cially the Unified Platform, Joint Cyber Command  
12           and Control, and Persistent Cyber Training Envi-  
13           ronment, including with respect to the following:

14                   (A) The suitability of the requirements  
15           and, as relevant, the delivered capability of such  
16           architecture to modern cyber warfighting.

17                   (B) Such requirements or capabilities as  
18           may be absent or underemphasized in such ar-  
19           chitecture.

20                   (C) The speed of development and acquisi-  
21           tion as compared to mission need.

22                   (D) Identification of potential duplication  
23           of efforts among the programs and concepts  
24           evaluated.

1           (E) The coherence of such architecture  
2 with the National Mission Teams and Combat  
3 Mission Teams of the Cyber Mission Force, as  
4 constituted and organized on the day before the  
5 date of the enactment of this Act.

6           (F) The coherence of such architecture  
7 with the Cyber Protection Teams of the Cyber  
8 Mission Force and the cybersecurity service  
9 providers of the Department, as constituted and  
10 organized on the day before the date of the en-  
11 actment of this Act.

12           (G) The coherence of such architecture  
13 with the concepts of persistent engagement and  
14 defending forward as incorporated in the 2018  
15 Department of Defense Cyber Strategy, includ-  
16 ing with respect to operational concepts such as  
17 consistent spy-on-spy deterrence, securing ad-  
18 versary operating pictures, and preemptively  
19 feeding indicators and warning to defensive op-  
20 erators.

21           (2) A technical evaluation of the tool develop-  
22 ment and acquisition programs of the Department,  
23 including with respect to the following:

24           (A) The suitability of planned tool suite  
25 and cyber armory constructs of the United

1 States Cyber Command to modern cyber  
2 warfighting.

3 (B) The speed of development and acquisi-  
4 tion as compared to mission need.

5 (C) The resourcing and effectiveness of the  
6 internal tool development of the United States  
7 Cyber Command as compared to the tool devel-  
8 opment of the National Security Agency.

9 (D) The resourcing and effectiveness of the  
10 internal tool development of the United States  
11 Cyber Command as compared to its acquisition.

12 (E) The coherence of such programs with  
13 the concepts of persistent engagement and de-  
14 fending forward as incorporated in the 2018  
15 Department of Defense Cyber Strategy, includ-  
16 ing with respect to operational concepts such as  
17 consistent spy-on-spy deterrence, securing ad-  
18 versary operating pictures, and preemptively  
19 feeding indicators and warning to defensive op-  
20 erators.

21 (3) An evaluation of the operational planning  
22 and targeting of the United States Cyber Command,  
23 including support for regional combatant commands,  
24 and suitability for modern cyber warfighting.

1           (4) Development of such recommendations as  
2           the Board may have for legislative or administrative  
3           action relating to the future cyber warfighting capa-  
4           bilities of the Department.

5           (d) ACCESS TO INFORMATION.—The Secretary shall  
6           provide the Board with timely access to appropriate infor-  
7           mation, data, resources, and analysis so that the Board  
8           may conduct a thorough and independent analysis as re-  
9           quired under this section.

10          (e) REPORT.—

11           (1) TRANSMITTAL TO SECRETARY.—Not later  
12           than November 1, 2021, the Board shall transmit to  
13           the Secretary a final report on the study conducted  
14           pursuant to subsection (a).

15           (2) TRANSMITTAL TO CONGRESS.—Not later  
16           than 30 days after the date on which the Secretary  
17           receives the final report under paragraph (1), the  
18           Secretary shall submit to the congressional defense  
19           committees such report and such comments as the  
20           Secretary considers appropriate.

1 **SEC. 1643. AUTHORITY TO USE OPERATION AND MAINTENANCE FUNDS FOR CYBER OPERATIONS-PECULIAR CAPABILITY DEVELOPMENT PROJECTS.**

2  
3  
4  
5 (a) IN GENERAL.—Subchapter I of chapter 134 of  
6 title 10, United States Code, is amended by inserting after  
7 section 2243 the following new section:

8 **“§ 2243a. Authority to use operation and maintenance funds for cyber operations-peculiar capability development projects**

9  
10  
11 “(a) IN GENERAL.—Subject to subsection (c), the  
12 covered officials may each use amounts authorized to be  
13 appropriated or otherwise made available for the Department of Defense for operation and maintenance, to carry  
14 out cyber operations-peculiar capability development  
15 projects.  
16 projects.

17 “(b) COVERED OFFICIALS.—For purposes of this section, the covered officials are as follows:

18  
19 “(1) The Secretary of the Army.

20 “(2) The Secretary of the Navy.

21 “(3) The Secretary of the Air Force.

22 “(4) The Commandant of the Marine Corps.

23 “(c) LIMITATION.—In a fiscal year, the aggregate  
24 amount that may be used by a single covered official under  
25 subsection (a) may not exceed \$3,000,000.

1       “(d) RELATIONSHIP TO OTHER LAWS.—The author-  
2 ity in subsection (a) may be used without regard to any  
3 provision of law establishing a limit on the unit cost of  
4 an investment item that may be purchased with funds  
5 made available for operation and maintenance.”.

6       (b) TABLE OF SECTIONS AMENDMENT.—The table of  
7 sections at the beginning of such subchapter is amended  
8 by inserting after the item relating to section 2243 the  
9 following new item:

“2243a. Authority to use operation and maintenance funds for cyber operations-  
peculiar capability development projects.”.

10       (c) REPORTS.—

11           (1) IN GENERAL.—In each of fiscal years 2021,  
12 2022, and 2023, the Secretary of Defense shall sub-  
13 mit to the congressional defense committees a report  
14 on the use of the authority provided under section  
15 2243a(a) of title 10, United States Code, as added  
16 by subsection (a), during the previous fiscal year.

17           (2) TIMING.—Each report submitted pursuant  
18 to paragraph (1) shall be submitted concurrently  
19 with the annual budget request of the President sub-  
20 mitted pursuant to section 1105 of title 31, United  
21 States Code.

1 **SEC. 1644. EXPANSION OF AUTHORITY FOR ACCESS AND IN-**  
2 **FORMATION RELATING TO CYBERATTACKS**  
3 **ON DEPARTMENT OF DEFENSE OPERATION-**  
4 **ALLY CRITICAL CONTRACTORS.**

5 Section 391(c) of title 10, United States Code, is  
6 amended—

7 (1) in paragraph (3)—

8 (A) by amending subparagraph (A) to read  
9 as follows:

10 “(A) include mechanisms for Department  
11 personnel—

12 “(i) if requested by an operationally  
13 critical contractor, to assist the contractor  
14 in detecting and mitigating penetrations;  
15 or

16 “(ii) at the request of the Depart-  
17 ment, to obtain access to equipment or in-  
18 formation of an operationally critical con-  
19 tractor necessary to conduct a forensic  
20 analysis, in addition to any analysis con-  
21 ducted by the contractor; and”;

22 (B) in subparagraph (B)—

23 (i) by striking “to determine whether  
24 information” and inserting the following:  
25 “to determine whether—

26 “(i) information”;

- 1 (ii) in clause (i), as so designated—  
 2 (I) by inserting “or compromised  
 3 on” after “exfiltrated from”; and  
 4 (II) by striking the period at the  
 5 end and inserting “or compromised;  
 6 or”; and  
 7 (iii) by adding at the end the fol-  
 8 lowing new clause:  
 9 “(ii) the ability of the contractor to  
 10 provide operationally critical support has  
 11 been affected and, if so, how and to what  
 12 extent it has been affected.”;  
 13 (2) in paragraph (4), by inserting “, so as to  
 14 minimize delays in or any curtailing of the Depart-  
 15 ment’s cyber response and defensive actions” after  
 16 “specific person”; and  
 17 (3) in paragraph (5)(C), by inserting “ or coun-  
 18 terintelligence activities” after “investigations”.

19 **SEC. 1645. BRIEFING ON MEMORANDUM OF UNDER-**  
 20 **STANDING RELATING TO JOINT OPER-**  
 21 **ATIONAL PLANNING AND CONTROL OF**  
 22 **CYBER ATTACKS OF NATIONAL SCALE.**

23 (a) BRIEFING REQUIRED.—Not later than March 1,  
 24 2020, the Secretary of Defense shall provide the appro-  
 25 priate committees of Congress a briefing on the Joint De-

1 partment of Defense and Department of Homeland Secu-  
2 rity Memorandum of Understanding signed by the Sec-  
3 retary of Defense on October 6, 2018.

4 (b) ELEMENTS.—The briefing required by subsection  
5 (a) shall include the following:

6 (1) The number of planners assigned by the  
7 Department of Defense to line of effort three and  
8 line of effort four and the areas of expertise of those  
9 planners.

10 (2) Whether the planners described in para-  
11 graph (1) are physically co-located with their coun-  
12 terparts in the Department of Homeland Security  
13 and are assigned full-time or part-time to line of ef-  
14 fort three and line of effort four.

15 (3) Whether the planners described in para-  
16 graph (1) are developing operational plans and play-  
17 books that will be implemented in response to actual  
18 cyber attacks of national scale or whether the plan-  
19 ning activities are limited to planning and exercise  
20 scenarios.

21 (4) Whether the official in charge of the plan-  
22 ners assigned to line of effort three and line of effort  
23 four has or will have operational control of a Federal  
24 response to a cyber attack of national scale.

1           (5) Whether the National Cyber Strategy, pub-  
2           lished in September 2018, provides for a standing  
3           joint multi-agency organization and staff to plan and  
4           direct operational responses to cyber attacks of na-  
5           tional scale.

6           (6) The charter and implementation plan of the  
7           Joint Department of Defense and Department of  
8           Homeland Security Cyber Protection and Defense  
9           Steering Group required by the memorandum of un-  
10          derstanding described in subsection (a).

11          (c) DEFINITION OF APPROPRIATE COMMITTEES OF  
12          CONGRESS.—In this section, the term “appropriate com-  
13          mittees of Congress” means—

14                (1) the congressional defense committees;

15                (2) the Committee on Homeland Security and  
16                Governmental Affairs of the Senate; and

17                (3) the Committee on Homeland Security of the  
18                House of Representatives.

1 **SEC. 1646. STUDY TO DETERMINE THE OPTIMAL STRATEGY**  
2 **FOR STRUCTURING AND MANNING ELE-**  
3 **MENTS OF THE JOINT FORCE HEAD-**  
4 **QUARTERS-CYBER ORGANIZATIONS, JOINT**  
5 **MISSION OPERATIONS CENTERS, AND CYBER**  
6 **OPERATIONS-INTEGRATED PLANNING ELE-**  
7 **MENTS.**

8 (a) STUDY.—

9 (1) IN GENERAL.—The Principal Cyber Advisor  
10 of the Department of Defense shall conduct a study  
11 to determine the optimal strategy for structuring  
12 and manning elements of the following:

13 (A) Joint Force Headquarters—Cyber orga-  
14 nizations.

15 (B) Joint Mission Operations Centers.

16 (C) Cyber Operations—Integrated Planning  
17 Elements.

18 (2) ELEMENTS.—The study conducted under  
19 subsection (a) shall include assessment of the fol-  
20 lowing:

21 (A) Operational effects on the military  
22 services if the entities listed in subparagraphs  
23 (A) through (C) of paragraph (1) are restruc-  
24 tured from organizations that are service com-  
25 ponent organizations to joint organizations.

1           (B) Organizational effects on the military  
2 services if the billets associated with the entities  
3 listed in subparagraphs (A) through (C) of  
4 paragraph (1) are transferred to United States  
5 Cyber Command and designated as joint billets  
6 for joint qualification purposes.

7           (b) REPORT.—

8           (1) IN GENERAL.—Not later than 180 days  
9 after the date of the enactment of this Act, the Prin-  
10 cipal Cyber Advisor shall submit to the Committee  
11 on Armed Services of the Senate and the Committee  
12 on Armed Services of the House of Representatives  
13 a report on the study conducted under subsection  
14 (a).

15           (2) CONTENTS.—The report submitted under  
16 paragraph (1) shall contain the following:

17           (A) The findings of the Principal Cyber  
18 Advisor with respect to the study conducted  
19 under subsection (a).

20           (B) Details of the operational and organi-  
21 zational effects assessed under subsection  
22 (a)(2).

23           (C) A plan to carry out the transfer de-  
24 scribed in subsection (a)(2)(B) and the associ-  
25 ated costs.

1 (D) Such other matters as the Principal  
2 Cyber Advisor considers appropriate.

3 **SEC. 1647. CYBER GOVERNANCE STRUCTURES AND PRIN-**  
4 **CIPAL CYBER ADVISORS ON MILITARY CYBER**  
5 **FORCE MATTERS.**

6 (a) DESIGNATION.—

7 (1) IN GENERAL.—Not later than one year  
8 after the date of the enactment of this Act, each  
9 Secretary of a military department shall designate a  
10 Principal Cyber Advisor to act as the principal advi-  
11 sor to the Secretary of the military department on  
12 the cyber forces, cyber programs, and cybersecurity  
13 matters of the military department, including mat-  
14 ters relating to weapons systems, enabling infra-  
15 structure, and the defense industrial base.

16 (2) NATURE OF POSITION.—Each Principal  
17 Cyber Advisor position under paragraph (1) shall be  
18 a senior civilian leadership position.

19 (b) RESPONSIBILITIES PRINCIPAL CYBER ADVI-  
20 SORS.—Each Principal Cyber Advisor of a military depart-  
21 ment shall be responsible for advising the Secretary of the  
22 military department and coordinating and overseeing the  
23 implementation of policy, strategies, sustainment, and  
24 plans on the following:

1           (1) The resourcing and training of the military  
2           cyber forces of the military department and ensuring  
3           that such resourcing and training meets the needs of  
4           United States Cyber Command.

5           (2) Acquisition of offensive and defensive cyber  
6           capabilities for the military cyber forces of the mili-  
7           tary department.

8           (3) Cybersecurity management and operations  
9           of the military department.

10          (4) Acquisition of cybersecurity tools and capa-  
11          bilities for the cybersecurity service providers of the  
12          military department.

13          (5) Improving and enforcing a culture of cyber-  
14          security warfighting and responsibility throughout  
15          the military department.

16          (c) ADMINISTRATIVE MATTERS.—

17           (1) DESIGNATION OF INDIVIDUALS.—In desig-  
18           nating a Principal Cyber Adviser under subsection  
19           (a), the Secretary of a military department may desig-  
20           nate an individual in an existing position in the  
21           military department.

22           (2) COORDINATION.—The Principal Cyber Ad-  
23           visor of a military department shall work in close co-  
24           ordination with the Principal Cyber Advisor of the  
25           Department of Defense, the Chief Information Offi-

1 cer of the Department, relevant military service chief  
2 information officers, and other relevant military  
3 service officers to ensure service compliance with the  
4 Department of Defense Cyber Strategy.

5 (d) RESPONSIBILITY TO THE SENIOR ACQUISITION  
6 EXECUTIVES.—In addition to the responsibilities set forth  
7 in subsection (b), the Principal Cyber Advisor of a military  
8 department shall be responsible for advising the senior ac-  
9 quisition executive of the military department and, as de-  
10 termined by the Secretary of the military department, for  
11 advising and coordinating and overseeing the implementa-  
12 tion of policy, strategies, sustainment, and plans for—

- 13 (1) cybersecurity of the industrial base; and  
14 (2) cybersecurity of Department of Defense in-  
15 formation systems and information technology serv-  
16 ices, including how cybersecurity threat information  
17 is incorporated and the development of cyber prac-  
18 tices, cyber testing, and mitigation of cybersecurity  
19 risks.

20 (e) REVIEW OF CURRENT RESPONSIBILITIES.—

- 21 (1) IN GENERAL.—Not later than January 1,  
22 2021, each Secretary of a military department shall  
23 review the military department’s current governance  
24 model for cybersecurity with respect to current au-  
25 thorities and responsibilities.

1           (2) ELEMENTS.—Each review under paragraph  
2 (1) shall include the following:

3           (A) An assessment of whether additional  
4 changes beyond the designation of a Principal  
5 Cyber Advisor pursuant to subsection (a) are  
6 required.

7           (B) Consideration of whether the current  
8 governance structure and assignment of au-  
9 thorities—

10           (i) enable effective top-down govern-  
11 ance;

12           (ii) enable effective Chief Information  
13 Officer and Chief Information Security Of-  
14 ficer action;

15           (iii) are adequately consolidated so  
16 that the authority and responsibility for  
17 cybersecurity risk management is clear and  
18 at an appropriate level of seniority;

19           (iv) provides authority to a single in-  
20 dividual to certify compliance of Depart-  
21 ment information systems and information  
22 technology services with all current cyber-  
23 security standards; and

24           (v) support efficient coordination  
25 across the military departments and serv-

1           ices, the Office of the Secretary of De-  
2           fense, the Defense Information Systems  
3           Agency, and United States Cyber Com-  
4           mand.

5           (f) BRIEFING.—Not later than February 1, 2021,  
6 each Secretary of a military department shall brief the  
7 congressional defense committees on the findings of the  
8 Secretary with respect to the review conducted by the Sec-  
9 retary under subsection (e).

10 **SEC. 1648. DESIGNATION OF TEST NETWORKS FOR TESTING**  
11 **AND ACCREDITATION OF CYBERSECURITY**  
12 **PRODUCTS AND SERVICES.**

13           (a) DESIGNATION.—Not later than April 1, 2020, the  
14 Secretary of Defense shall designate, for use by the De-  
15 fense Information Systems Agency and such other compo-  
16 nents of the Department of Defense as the Secretary con-  
17 siders appropriate, three test networks for the testing and  
18 accreditation of cybersecurity products and services.

19           (b) REQUIREMENTS.—The networks designated  
20 under subsection (a) shall—

21                   (1) be of sufficient scale to realistically test cy-  
22                   bersecurity products and services;

23                   (2) feature substantially different architectures  
24                   and configurations;

25                   (3) be live, operational networks; and

1           (4) feature cybersecurity processes, tools, and  
2 technologies that are appropriate for test purposes  
3 and representative of the processes, tools, and tech-  
4 nologies that are widely used throughout the Depart-  
5 ment.

6 **SEC. 1649. CONSORTIA OF UNIVERSITIES TO ADVISE SEC-**  
7 **RETARY OF DEFENSE ON CYBERSECURITY**  
8 **MATTERS.**

9           (a) ESTABLISHMENT.—The Secretary of Defense  
10 shall establish one or more consortia to advise and assist  
11 the Secretary on matters relating to cybersecurity.

12           (b) MEMBERSHIP.—The consortium or consortia es-  
13 tablished under subsection (a) shall consist of universities  
14 that have been designated as centers of academic excel-  
15 lence by the Director of the National Security Agency or  
16 the Secretary of Homeland Security.

17           (c) ORGANIZATION.—

18           (1) DESIGNATION OF ADMINISTRATIVE CHAIR  
19 AND TERMS.—For each consortium established  
20 under subsection (a), the Secretary, based on rec-  
21 ommendations from the members of the consortium,  
22 shall designate one member of the consortium to  
23 function as an administrative chair of the consor-  
24 tium for a term with a specific duration specified by  
25 the Secretary.

1           (2) SUBSEQUENT TERMS.—No member of a  
2 consortium designated under paragraph (1) may  
3 serve as the administrative chair of that consortium  
4 for two consecutive terms.

5           (3) DUTIES OF ADMINISTRATIVE CHAIR.—Each  
6 administrative chair designated under paragraph (1)  
7 for a consortium shall—

8                   (A) act as the leader of the consortium for  
9 the term specified by the Secretary under para-  
10 graph (1);

11                   (B) be the liaison between the consortium  
12 and the Secretary;

13                   (C) distribute requests from the Secretary  
14 for advice and assistance to appropriate mem-  
15 bers of the consortium and coordinate responses  
16 back to the Secretary; and

17                   (D) act as a clearinghouse for Department  
18 of Defense requests relating to advice and as-  
19 sistance on matters relating to cybersecurity  
20 and to provide feedback to the Secretary from  
21 members of the consortium.

22           (d) FUNCTIONS.—The functions of a consortium es-  
23 tablished under subsection (a) are as follows:

1           (1) To provide to the Secretary access to the  
2 expertise of the members of the consortium on mat-  
3 ters relating to cybersecurity.

4           (2) To align the efforts of such members in  
5 support of the Department.

6           (3) To act as a facilitator in responding to De-  
7 partment requests relating to advice and assistance  
8 on matters relating to cybersecurity and to provide  
9 feedback to the Secretary from members of the con-  
10 sortium.

11       (e) PROCEDURES.—The Secretary shall establish pro-  
12 cedures for organizations within the Department to access  
13 the work product produced by and the research, capabili-  
14 ties, and expertise of a consortium established under sub-  
15 section (a) and the universities that constitute the consor-  
16 tium.

## 17           **Subtitle D—Nuclear Forces**

### 18       **SEC. 1661. MODIFICATION OF AUTHORITIES RELATING TO** 19                       **NUCLEAR COMMAND, CONTROL, AND COM-** 20                       **MUNICATIONS SYSTEM.**

21       (a) DUTIES AND POWERS OF UNDER SECRETARY OF  
22 DEFENSE FOR ACQUISITION AND SUSTAINMENT.—Sec-  
23 tion 133b(b) of title 10, United States Code, is amended—

1           (1) by redesignating paragraphs (4), (5), (6),  
2           and (7) as paragraphs (5), (6), (7), and (8), respec-  
3           tively;

4           (2) by inserting after paragraph (3) the fol-  
5           lowing new paragraph (4):

6           “(4) establishing policies for, and providing  
7           oversight, guidance, and coordination with respect  
8           to, the nuclear command, control, and communica-  
9           tions system;” and

10          (3) in paragraph (6), as redesignated by para-  
11          graph (1), by inserting after “overseeing the mod-  
12          ernization of nuclear forces” the following: “, includ-  
13          ing the nuclear command, control, and communica-  
14          tions system,”.

15          (b) DUTIES AND RESPONSIBILITIES OF CHIEF IN-  
16          FORMATION OFFICER.—Section 142(b)(1) of such title is  
17          amended—

18                 (1) by striking subparagraph (G); and

19                 (2) by redesignating subparagraphs (H) and (I)  
20                 as subparagraphs (G) and (H), respectively.

1 **SEC. 1662. EXPANSION OF OFFICIALS REQUIRED TO CON-**  
2 **DUCT BIENNIAL ASSESSMENTS OF DELIVERY**  
3 **PLATFORMS FOR NUCLEAR WEAPONS AND**  
4 **NUCLEAR COMMAND AND CONTROL SYSTEM.**

5 Section 492(d) of title 10, United States Code, is  
6 amended—

7 (1) in paragraph (2), by striking “; and” and  
8 inserting a semicolon;

9 (2) in paragraph (3), by striking the period at  
10 the end and inserting “; and”; and

11 (3) by adding at the end the following:

12 “(4) the Commander of the United States Air  
13 Forces in Europe.”.

14 **SEC. 1663. CONFORMING AMENDMENT TO COUNCIL ON**  
15 **OVERSIGHT OF THE NATIONAL LEADERSHIP**  
16 **COMMAND, CONTROL, AND COMMUNICA-**  
17 **TIONS SYSTEM.**

18 Section 171a of title 10, United States Code, is  
19 amended by striking “, Technology, and Logistics” each  
20 place it appears and inserting “and Sustainment”.

21 **SEC. 1664. PROHIBITION ON REDUCTION OF THE INTER-**  
22 **CONTINENTAL BALLISTIC MISSILES OF THE**  
23 **UNITED STATES.**

24 (a) PROHIBITION.—Except as provided by subsection  
25 (b), none of the funds authorized to be appropriated by  
26 this Act or otherwise made available for fiscal year 2020

1 for the Department of Defense shall be obligated or ex-  
2 pended for—

3 (1) reducing, or preparing to reduce, the re-  
4 sponsiveness or alert level of the intercontinental  
5 ballistic missiles of the United States; or

6 (2) reducing, or preparing to reduce, the quan-  
7 tity of deployed intercontinental ballistic missiles of  
8 the United States to a number less than 400.

9 (b) EXCEPTION.—The prohibition in subsection (a)  
10 shall not apply to any of the following activities:

11 (1) The maintenance or sustainment of inter-  
12 continental ballistic missiles.

13 (2) Ensuring the safety, security, or reliability  
14 of intercontinental ballistic missiles.

15 **SEC. 1665. BRIEFING ON LONG-RANGE STANDOFF WEAPON**  
16 **AND SEA-LAUNCHED CRUISE MISSILE.**

17 Not later than 90 days after the date of the enact-  
18 ment of this Act, the Under Secretary of Defense for Ac-  
19 quisition and Sustainment, in consultation with the Ad-  
20 ministrator for Nuclear Security, shall provide to the Com-  
21 mittees on Armed Services of the Senate and the House  
22 of Representatives a briefing on opportunities—

23 (1) to increase commonality between the long-  
24 range standoff weapon and the sea-launched cruise  
25 missile; and

1           (2) to leverage, in the development of the sea-  
2           launched cruise missile, technologies developed, or  
3           under development as of the date of the briefing, as  
4           part of the long-range standoff weapon program.

5 **SEC. 1666. SENSE OF THE SENATE ON INDUSTRIAL BASE**  
6                           **FOR GROUND-BASED STRATEGIC DETERRENT**  
7                           **PROGRAM.**

8           It is the sense of the Senate that—

9           (1) ensuring the viability of an industrial base  
10          of at least two domestic producers of large solid  
11          rocket motors for the ground-based strategic deter-  
12          rent program is an important national security in-  
13          terest; and

14          (2) in continuing to carry out that program, the  
15          Secretary of Defense should—

16                 (A) strive to maintain competition and  
17                 proper vendor capabilities in order to maintain  
18                 the best value for the Government;

19                 (B) consider the long-term health and via-  
20                 bility of the industrial base when structuring  
21                 and awarding major procurement or develop-  
22                 ment contracts; and

23                 (C) when appropriate, structure programs  
24                 to provide stability to the industrial base by

1 maintaining continued production for an ex-  
2 tended period.

3 **SEC. 1667. SENSE OF THE SENATE ON NUCLEAR DETER-**  
4 **RENCE COMMITMENTS OF THE UNITED**  
5 **STATES.**

6 It is the sense of the Senate that—

7 (1) credible extended deterrence commitments  
8 make key contributions to the security of the United  
9 States, international stability, and the nonprolifera-  
10 tion objectives of the United States;

11 (2) the nuclear forces of the United States, as  
12 well as the independent nuclear forces of other mem-  
13 bers of the North Atlantic Treaty Organization (in  
14 this section referred to as “NATO”), continue to  
15 play a critical role in national security strategy of  
16 the United States and the security of the NATO al-  
17 liance;

18 (3) the forward-deployment of dual-capable air-  
19 craft operated by the United States, and the partici-  
20 pation of certain NATO members in the nuclear de-  
21 terrence mission, are vitally important to the deter-  
22 rence and defense posture of NATO;

23 (4) such aircraft provide a credible and flexible  
24 nuclear capability that plays a fundamental role in  
25 regional deterrence and effectively assuring allies

1 and partners of the commitment of the United  
2 States to their security; and

3 (5) nuclear-certified F-35A aircraft provide the  
4 most advanced nuclear fighter capability in the cur-  
5 rent and future anti-access area denial environ-  
6 ments.

## 7 **Subtitle E—Missile Defense** 8 **Programs**

### 9 **SEC. 1671. IRON DOME SHORT-RANGE ROCKET DEFENSE** 10 **SYSTEM AND ISRAELI COOPERATIVE MISSILE** 11 **DEFENSE PROGRAM CO-DEVELOPMENT AND** 12 **CO-PRODUCTION.**

13 (a) IRON DOME SHORT-RANGE ROCKET DEFENSE  
14 SYSTEM.—

15 (1) AVAILABILITY OF FUNDS.—Of the funds  
16 authorized to be appropriated by this Act or other-  
17 wise made available for fiscal year 2020 for procure-  
18 ment, Defense-wide, and available for the Missile  
19 Defense Agency, not more than \$95,000,000 may be  
20 provided to the Government of Israel to procure  
21 components for the Iron Dome short-range rocket  
22 defense system through co-production of such com-  
23 ponents in the United States by industry of the  
24 United States.

25 (2) CONDITIONS.—

1           (A) AGREEMENT.—Funds described in  
2 paragraph (1) for the Iron Dome short-range  
3 rocket defense program shall be available sub-  
4 ject to the terms and conditions in the Agree-  
5 ment Between the Department of Defense of  
6 the United States of America and the Ministry  
7 of Defense of the State of Israel Concerning  
8 Iron Dome Defense System Procurement,  
9 signed on March 5, 2014, as amended to in-  
10 clude co-production for Tamir interceptors.

11           (B) CERTIFICATION.—Not later than 30  
12 days prior to the initial obligation of funds de-  
13 scribed in paragraph (1), the Director of the  
14 Missile Defense Agency and the Under Sec-  
15 retary of Defense for Acquisition and  
16 Sustainment shall jointly submit to the appro-  
17 priate congressional committees—

18           (i) a certification that the amended bi-  
19 lateral international agreement specified in  
20 subparagraph (A) is being implemented as  
21 provided in such agreement; and

22           (ii) an assessment detailing any risks  
23 relating to the implementation of such  
24 agreement.

1 (b) ISRAELI COOPERATIVE MISSILE DEFENSE PRO-  
2 GRAM, DAVID'S SLING WEAPON SYSTEM CO-PRODUC-  
3 TION.—

4 (1) IN GENERAL.—Subject to paragraph (3), of  
5 the funds authorized to be appropriated for fiscal  
6 year 2020 for procurement, Defense-wide, and avail-  
7 able for the Missile Defense Agency not more than  
8 \$50,000,000 may be provided to the Government of  
9 Israel to procure the David's Sling Weapon System,  
10 including for co-production of parts and components  
11 in the United States by United States industry.

12 (2) AGREEMENT.—(A) Provision of funds speci-  
13 fied in paragraph (1) shall be subject to the terms  
14 and conditions in the bilateral co-production agree-  
15 ment, including—

16 (i) a one-for-one cash match is made by  
17 Israel or in another matching amount that oth-  
18 erwise meets best efforts (as mutually agreed to  
19 by the United States and Israel); and

20 (ii) co-production of parts, components,  
21 and all-up rounds (if appropriate) in the United  
22 States by United States industry for the Da-  
23 vid's Sling Weapon System is not less than 50  
24 percent.

1           (3) CERTIFICATION AND ASSESSMENT.—The  
2 Under Secretary of Defense for Acquisition and  
3 Sustainment shall submit to the appropriate con-  
4 gressional committees—

5           (A) a certification that the Government of  
6 Israel has demonstrated the successful comple-  
7 tion of the knowledge points, technical mile-  
8 stones, and production readiness reviews re-  
9 quired by the research, development, and tech-  
10 nology agreement and the bilateral co-produc-  
11 tion agreement for the David’s Sling Weapon  
12 System; and

13           (B) an assessment detailing any risks re-  
14 lating to the implementation of such agreement.

15       (c) ISRAELI COOPERATIVE MISSILE DEFENSE PRO-  
16 GRAM, ARROW 3 UPPER TIER INTERCEPTOR PROGRAM  
17 CO-PRODUCTION.—

18           (1) IN GENERAL.—Subject to paragraph (2), of  
19 the funds authorized to be appropriated for fiscal  
20 year 2020 for procurement, Defense-wide, and avail-  
21 able for the Missile Defense Agency not more than  
22 \$55,000,000 may be provided to the Government of  
23 Israel for the Arrow 3 Upper Tier Interceptor Pro-  
24 gram, including for co-production of parts and com-

1       ponents in the United States by United States in-  
2       dustry.

3           (2) CERTIFICATION.—The Under Secretary of  
4       Defense for Acquisition and Sustainment shall sub-  
5       mit to the appropriate congressional committees a  
6       certification that—

7           (A) the Government of Israel has dem-  
8       onstrated the successful completion of the  
9       knowledge points, technical milestones, and pro-  
10      duction readiness reviews required by the re-  
11      search, development, and technology agreement  
12      for the Arrow 3 Upper Tier Interceptor Pro-  
13      gram;

14          (B) funds specified in paragraph (1) will  
15      be provided on the basis of a one-for-one cash  
16      match made by Israel or in another matching  
17      amount that otherwise meets best efforts (as  
18      mutually agreed to by the United States and  
19      Israel);

20          (C) the United States has entered into a  
21      bilateral international agreement with Israel  
22      that establishes, with respect to the use of such  
23      funds—

24           (i) in accordance with subparagraph

25          (D), the terms of co-production of parts

1 and components on the basis of the great-  
2 est practicable co-production of parts, com-  
3 ponents, and all-up rounds (if appropriate)  
4 by United States industry and minimizes  
5 nonrecurring engineering and facilitization  
6 expenses to the costs needed for co-produc-  
7 tion;

8 (ii) complete transparency on the re-  
9 quirement of Israel for the number of  
10 interceptors and batteries that will be pro-  
11 cured, including with respect to the pro-  
12 curement plans, acquisition strategy, and  
13 funding profiles of Israel;

14 (iii) technical milestones for co-pro-  
15 duction of parts and components and pro-  
16 curement;

17 (iv) a joint affordability working  
18 group to consider cost reduction initiatives;  
19 and

20 (v) joint approval processes for third-  
21 party sales; and

22 (D) the level of co-production described in  
23 subparagraph (C)(i) for the Arrow 3 Upper  
24 Tier Interceptor Program is not less than 50  
25 percent.

1 (d) NUMBER.—In carrying out paragraph (2) of sub-  
2 section (b) and paragraph (2) of subsection (c), the Under  
3 Secretary may submit—

4 (1) one certification covering both the David’s  
5 Sling Weapon System and the Arrow 3 Upper Tier  
6 Interceptor Program; or

7 (2) separate certifications for each respective  
8 system.

9 (e) TIMING.—The Under Secretary shall submit to  
10 the congressional defense committees the certification and  
11 assessment under subsection (b)(3) and the certification  
12 under subsection (c)(2) by not later than 30 days before  
13 the funds specified in paragraph (1) of subsections (b) and  
14 (c) for the respective system covered by the certification  
15 are provided to the Government of Israel.

16 (f) APPROPRIATE CONGRESSIONAL COMMITTEES DE-  
17 FINED.—In this section, the term “appropriate congres-  
18 sional committees” means the following:

19 (1) The congressional defense committees.

20 (2) The Committee on Foreign Relations of the  
21 Senate and the Committee on Foreign Affairs of the  
22 House of Representatives.

1 **SEC. 1672. EXPANSION OF NATIONAL MISSILE DEFENSE**  
2 **POLICY AND PROGRAM REDESIGNATION.**

3 (a) SENSE OF THE SENATE.—It is the Sense of the  
4 Senate that—

5 (1) the United States must continue to pursue  
6 a comprehensive missile defense strategy that will  
7 deliver integrated and effective capabilities to  
8 counter ballistic, cruise, and hypersonic missile  
9 threats;

10 (2) adversaries are quickly expanding the capa-  
11 bilities of their existing missile systems, adding new  
12 and unprecedented types of missile capabilities to  
13 their arsenals, and further integrating offensive mis-  
14 siles into their coercive threats, military exercises,  
15 and war planning;

16 (3) both Russia and China are rapidly enhanc-  
17 ing their existing offensive missile systems and de-  
18 veloping advanced sea-, ground-, and air-launched  
19 cruise missiles as well as hypersonic capabilities;

20 (4) due to the proliferation of offensive ballistic  
21 and cruise missiles and the emergence of game-  
22 changing hypersonic weapons technologies, all of  
23 which threaten regional balances, our allies and  
24 partners, United States deployed armed forces, and  
25 the United States homeland, missile defenses become

1 an even more critical element of United States strat-  
2 egy; and

3 (5) the United States must outpace adversary  
4 offensive missile capabilities.

5 (b) EXPANSION OF POLICY.—Section 1681(a) of the  
6 National Defense Authorization Act for Fiscal Year 2017  
7 (Public Law 114–328; 10 U.S.C. 2431 note) is amended  
8 by striking “ballistic missile threat” and inserting “bal-  
9 listic, cruise, and hypersonic missile threats”.

10 (c) REDESIGNATION REQUIREMENT.—Not later than  
11 the date on which the President submits to Congress pur-  
12 suant to section 1105 of title 31, United States Code, the  
13 annual budget request of the President for fiscal year  
14 2021, the Secretary of Defense shall, as the Secretary con-  
15 siders appropriate, redesignate all strategies, policies, pro-  
16 grams, and systems under the jurisdiction of the Secretary  
17 to reflect that missile defense programs of the United  
18 States defend against ballistic, cruise, and hypersonic mis-  
19 siles in all phases of flight.

20 **SEC. 1673. ACCELERATION OF THE DEPLOYMENT OF PER-**  
21 **SISTENT SPACE-BASED SENSOR ARCHITEC-**  
22 **TURE.**

23 (a) SENSE OF THE SENATE.—It is the Sense of the  
24 Senate that—

1           (1) Congress has expressed support for a space-  
2           based missile defense sensor program, in the two  
3           most recent enacted National Defense Authorization  
4           Acts;

5           (2) the Secretary of Defense should rapidly de-  
6           velop and deploy a persistent, space-based sensor ar-  
7           chitecture to ensure missile defenses of the United  
8           States are more effective against ballistic missile  
9           threats and more responsive to emergent threats  
10          from hypersonic and cruise missiles;

11          (3) the responsibility for developing and deploy-  
12          ing a hypersonic and ballistic tracking space sensor  
13          should remain within the Director of the Missile De-  
14          fense Agency; and

15          (4) the Director of the Missile Defense Agency  
16          should deploy a hypersonic and ballistic tracking  
17          space sensor constellation as soon as technically fea-  
18          sible.

19          (b) ASSIGNMENT OF PRIMARY RESPONSIBILITY FOR  
20          DEVELOPMENT AND DEPLOYMENT OF HYPERSONIC AND  
21          BALLISTIC TRACKING SPACE SENSOR.—Not later than 30  
22          days after the date of the enactment of this Act, the Sec-  
23          retary shall—

24                  (1) assign the Director of the Missile Defense  
25          Agency with the principal responsibility for the de-

1       velopment and deployment of a hypersonic and bal-  
2       listic tracking space sensor; and

3               (2) submit to the congressional defense commit-  
4       tees certification of such assignment.

5       (c) CERTIFICATION REGARDING FUNDING OF  
6 HYPERSONIC AND BALLISTIC TRACKING SPACE SENSOR  
7 PROGRAM.—At the same time that the President submits  
8 to Congress pursuant to section 1105 of title 31, United  
9 States Code, the annual budget request of the President  
10 for fiscal year 2021, the Under Secretary of Defense  
11 Comptroller and the Director for Cost Assessment and  
12 Program Evaluation shall jointly certify to the congres-  
13 sional defense committees whether the hypersonic and bal-  
14 listic tracking space sensor program is sufficiently funded  
15 in the future-years defense program for the Missile De-  
16 fense Agency.

17       (d) DEPLOYMENT DEADLINE.—Section 1683(a) of  
18 the National Defense Authorization Act for Fiscal Year  
19 2018 (Public Law 115–91; 10 U.S.C. 2431 note) is  
20 amended—

21               (1) by striking “(A) IN GENERAL.—” and in-  
22       serting the following:

23       “(a) DEVELOPMENT, TESTING, AND DEPLOY-  
24       MENT.—

25               “(1) DEVELOPMENT.—”; and

1           (2) by adding at the end the following new  
2 paragraphs:

3           “(2) TESTING AND DEPLOYMENT.—The Direc-  
4 tor shall begin on-orbit testing of a hypersonic and  
5 ballistic tracking space sensor no later than Decem-  
6 ber 31, 2021, with full operational deployment as  
7 soon as technically feasible thereafter.

8           “(3) WAIVER.—The Secretary of Defense may  
9 waive the deadline for testing specified in paragraph  
10 (2) if the Secretary submits to the congressional de-  
11 fense committees a report containing—

12                   “(A) the explanation why the Secretary  
13 cannot meet such deadline;

14                   “(B) the technical risks and estimated cost  
15 of accelerating the program to attempt to meet  
16 such deadline;

17                   “(C) an assessment of threat systems that  
18 could not be detected or tracked persistently  
19 due to waiving such deadline; and

20                   “(D) a plan, including a timeline, for be-  
21 ginning the required testing.”.

22 (e) REPORT ON PROGRESS.—

23           (1) IN GENERAL.—Not later than 90 days after  
24 the date of the enactment of this Act, the Secretary  
25 of Defense shall submit to the congressional defense

1 committees a report on the progress of all efforts  
2 being made by the Missile Defense Agency, the De-  
3 fense Advanced Research Projects Agency, the Air  
4 Force, and the Space Development Agency relating  
5 to space-based sensing and tracking capabilities for  
6 missile defense and how each of such organizations  
7 will work together to avoid duplication of efforts.

8 (2) FORM.—The report required by paragraph  
9 (1) shall be submitted in unclassified form, but may  
10 include a classified annex.

11 **SEC. 1674. NONSTANDARD ACQUISITION PROCESSES OF**  
12 **MISSILE DEFENSE AGENCY.**

13 (a) SENSE OF THE SENATE.—It is the sense of the  
14 Senate that—

15 (1) the Department of Defense needs to provide  
16 capabilities at the speed of relevance that are more  
17 lethal, and to ensure acquisition processes fulfill the  
18 needs of members of the Armed Forces now and in  
19 the future;

20 (2) significant defense acquisition reforms en-  
21 acted over the past three National Defense Author-  
22 ization Acts have improved access to nontraditional  
23 and commercial innovation and to expanded flexible  
24 acquisition authorities in the development of alter-

1 native acquisition pathways to acquire critical na-  
2 tional security capabilities;

3 (3) the Department appropriately recently rec-  
4 ognized the Missile Defense Agency for its acquisi-  
5 tion success by presenting it with the 2018 David  
6 Packard Excellence in Acquisition Award for the de-  
7 velopment of the Space-Based Kill Assessment  
8 (SKA) program and the Missile Defense Agency  
9 should be commended for its numerous and rapid  
10 acquisition successes;

11 (4) the recently completed Missile Defense Re-  
12 view explicitly highlights, in stark terms, the threat  
13 posed to the United States by ballistic and  
14 hypersonic missile threats; and

15 (5) the Missile Defense Agency should maintain  
16 its nonstandard acquisition authorities in order to  
17 continue to rapidly design, test, and deliver critically  
18 needed defensive capabilities to the warfighter.

19 (b) CHANGES TO NONSTANDARD ACQUISITION PROC-  
20 ESSES AND RESPONSIBILITIES.—

21 (1) LIMITATION.—None of the funds authorized  
22 to be appropriated by this Act may be obligated or  
23 expended to change the nonstandard acquisition  
24 processes and responsibilities described in paragraph

25 (2) until the Secretary—

1           (A) has consulted with the Under Sec-  
2           retary of Defense for Research and Engineer-  
3           ing, the Under Secretary of Defense for Policy,  
4           the secretaries of the military departments, the  
5           Chairman of the Joint Chiefs of Staff, the  
6           Commander of United States Strategic Com-  
7           mand (USSTRATCOM), the Commander of  
8           United States Northern Command  
9           (USNORTHCOM), and the Director of the  
10          Missile Defense Agency;

11          (B) certifies to the congressional defense  
12          committees that the Secretary has coordinated  
13          the changes with and received the views of the  
14          individuals referred to in subparagraph (A);

15          (C) submits to the congressional defense  
16          committees a report describing the changes, the  
17          rationale for the changes, and the views of the  
18          individuals referred to in subparagraph (A)  
19          with respect to such changes; and

20          (D) a period of 270 days has elapsed since  
21          submittal of the report under subparagraph  
22          (C).

23          (2) NONSTANDARD ACQUISITION PROCESSES  
24          AND RESPONSIBILITIES DESCRIBED.—The non-  
25          standard acquisition processes and responsibilities

1 described in this paragraph are such processes and  
2 responsibilities described in—

3 (A) the memorandum of the Secretary of  
4 Defense titled “Missile Defense Program Direc-  
5 tion” signed on January 2, 2002; and

6 (B) Department of Defense Directive  
7 5134.09, as in effect on the date of the enact-  
8 ment of this Act.

9 **SEC. 1675. PLAN FOR THE REDESIGNED KILL VEHICLE.**

10 (a) **REPORT REQUIRED.**—The Director of the Missile  
11 Defense Agency shall submit to the congressional defense  
12 committees a report on the delay in the Redesigned Kill  
13 Vehicle Program.

14 (b) **ELEMENTS.**—The report required by subsection  
15 (a) shall include the following:

16 (1) A description of the reason for the delay.

17 (2) An overview of the revised program sched-  
18 ule including a revised test plan and revised acquisi-  
19 tion strategy.

20 (3) A detailed description of any recommenda-  
21 tions that could be utilized to accelerate the sched-  
22 uled fielding including modifications to the acquisi-  
23 tion strategy or the procurement and assembly of  
24 long-lead materials unaffected by the reason for the  
25 delay.



1 fense element of the United States ballistic missile  
2 defense system; and

3 (2) the infrastructure requirements for increas-  
4 ing the number of ground-based interceptors as part  
5 of such element.

6 (b) CONTENTS.—The report required by subsection  
7 (a) shall include the following:

8 (1) An assessment of the requirements of the  
9 ground-based midcourse defense element of the  
10 United States ballistic missile defense system to  
11 meet threats outlined in the 2018 National Defense  
12 Strategy and the 2019 Missile Defense Review.

13 (2) An assessment of the feasibility of fielding  
14 up to 104 ground-based interceptors as part of such  
15 element, including a description of the additional in-  
16 frastructure and components needed to further out-  
17 fit missile fields at Fort Greely, Alaska.

18 (3) A cost estimate of such infrastructure and  
19 components.

20 (4) An estimated schedule for completing such  
21 construction as may be required for such infrastruc-  
22 ture and components.

23 (5) An identification of any environmental as-  
24 sessments or impact studies that would need to be

1 conducted to expand missile fields at Fort Greely be-  
2 yond current capacity.

3 (6) A determination of the appropriate fleet mix  
4 of ground-based interceptor kill vehicles and boosters  
5 to maximize overall system effectiveness and in-  
6 crease its capacity and capability, including the costs  
7 and benefits of continued inclusion of capability en-  
8 hancement II block 1 interceptors after the fielding  
9 of the redesigned kill vehicle.

10 (7) The modernization requirements for the  
11 ground-based midcourse system, including all com-  
12 mand and control, ground systems, sensors and sen-  
13 sor interfaces, boosters and kill vehicles, and inte-  
14 gration of known future systems and components.

15 (8) A discussion of the obsolescence of such sys-  
16 tems and components.

17 (9) The industrial base requirements relating to  
18 the ground-based midcourse system, as determined  
19 by the Director of the Missile Defense Agency.

20 (10) Such other matters as the Director con-  
21 siders appropriate.

22 (c) FORM.—The report submitted under subsection  
23 (a) shall be submitted in unclassified form, but may in-  
24 clude a classified annex.

1 **SEC. 1677. SENSE OF THE SENATE ON RECENT MISSILE DE-**  
2 **FENSE AGENCY TESTS.**

3 It is the Sense of the Senate that the Office of the  
4 Under Secretary of Defense for Research and Engineer-  
5 ing, the Missile Defense Agency, the Office of the Director  
6 for Operational Test and Evaluation, the operational test  
7 agencies, the military departments, and warfighters  
8 should—

9 (1) be strongly commended for a highly success-  
10 ful 2018 flight test campaign, which consisted of 13  
11 total flight test events including—

12 (A) FTX-35, which successfully proved  
13 interoperability between Terminal High Altitude  
14 Area Defense (THAAD) and the Phased Array  
15 Tracking Radar to Intercept on Target (PA-  
16 TRIOT) to detect and track a simulated en-  
17 gagement with a short-range ballistic missile;

18 (B) Pacific Dragon 2018, which success-  
19 fully demonstrated joint ballistic missile defense  
20 interoperability with Japan and Korea to en-  
21 gage a short-range ballistic missile with a  
22 Standard Missile 3 (SM-3) Block IB by a Jap-  
23 anese ship and an Aegis Ashore site;

24 (C) JFTM-5, which successfully dem-  
25 onstrated the intercept of an short-range bal-

1 listic missile with a Standard Missile 3 Block  
2 IB threat upgrade from a Japanese ship;

3 (D) FTM-45, which successfully dem-  
4 onstrated the intercept of a medium-range bal-  
5 listic missile with a Standard Missile 3 Block  
6 IIA from a United States ship; and

7 (E) FTI-03, which as a part of the oper-  
8 ational test of the European Phased Adaptive  
9 Approach (EPAA) Phase 3 architecture, suc-  
10 cessfully demonstrated the intercept of an inter-  
11 mediate-range ballistic missile using the Aegis  
12 Weapon System's Engage-on-Remote capability;  
13 and

14 (2) be especially recognized for the success of  
15 FTG-11, the first salvo test of the United States of  
16 the Ground-based Midcourse Defense system, during  
17 which two ground-based interceptors were launched  
18 nearly simultaneously from the same location and  
19 successfully intercepted the kill vehicle of a threat-  
20 representative intercontinental ballistic missile tar-  
21 get, and then the next most lethal object.

22 **SEC. 1678. SENSE OF THE SENATE ON MISSILE DEFENSE**  
23 **TECHNOLOGY DEVELOPMENT PRIORITIES.**

24 It is the sense of the Senate that—

1           (1) the 2019 Missile Defense Review articulates  
2           a comprehensive approach to preventing and defeat-  
3           ing the rapidly expanding offensive missile threat  
4           through a combination of deterrence, active and pas-  
5           sive missile defense, and attack operations;

6           (2) to counter the expanding offense missile ca-  
7           pabilities of potential adversaries and hedge against  
8           unanticipated missile threats, the Secretary of De-  
9           fense should aggressively pursue new missile defense  
10          capabilities and examine concepts and technologies  
11          for advanced missile defense systems;

12          (3) the Secretary should fully implement the  
13          2019 Missile Defense Review’s focus on increasing  
14          investments in and deploying new technologies and  
15          concepts; and

16          (4) the Secretary should work to ensure that all  
17          missile defense systems are more survivable, includ-  
18          ing through—

19                  (A) more distributed air and missile de-  
20                  fense operations; and

21                  (B) improved camouflage, concealment,  
22                  and deception, including emission control.

1 **SEC. 1679. PUBLICATION OF ENVIRONMENTAL IMPACT**  
2 **STATEMENT PREPARED FOR CERTAIN PO-**  
3 **TENTIAL FUTURE MISSILE DEFENSE SITES.**

4 The Secretary of Defense shall make available to the  
5 public the environmental impact statement prepared pur-  
6 suant to section 227(b) of the National Defense Author-  
7 ization Act for Fiscal Year 2013 (126 Stat. 1679; Public  
8 Law 112–239).

9 **Subtitle F—Other Matters**

10 **SEC. 1681. MATTERS RELATING TO MILITARY OPERATIONS**  
11 **IN THE INFORMATION ENVIRONMENT.**

12 (a) AFFIRMING THE AUTHORITY OF THE SECRETARY  
13 OF DEFENSE TO CONDUCT MILITARY OPERATIONS IN  
14 THE INFORMATION ENVIRONMENT.—

15 (1) IN GENERAL.—Chapter 19 of title 10,  
16 United States Code, is amended by adding at the  
17 end the following new section:

18 **“§ 397. Military operations in the information envi-**  
19 **ronment**

20 “(a) AFFIRMATION OF AUTHORITY.—(1) Congress  
21 affirms that the Secretary of Defense is authorized to con-  
22 duct military operations, including clandestine operations,  
23 in the information environment to defend the United  
24 States, allies of the United States, and interests of the  
25 United States, including in response to malicious influence

1 activities carried out against the United States or a  
2 United States person by a foreign power.

3 “(2) The military operations referred to in paragraph  
4 (1), when appropriately authorized include the conduct of  
5 military operations short of hostilities and in areas outside  
6 of areas of active hostilities for the purpose of preparation  
7 of the environment, influence, force protection, and deter-  
8 rence of hostilities.

9 “(b) TREATMENT OF CLANDESTINE MILITARY OPER-  
10 ATIONS IN THE INFORMATION ENVIRONMENT AS TRADI-  
11 TIONAL MILITARY ACTIVITIES.—A clandestine military  
12 operation in the information environment shall be consid-  
13 ered a traditional military activity for the purposes of sec-  
14 tion 503(e)(2) of the National Security Act of 1947 (50  
15 U.S.C. 3093(e)(2)).

16 “(c) QUARTERLY INFORMATION OPERATIONS BRIEF-  
17 INGS.—(1) Not less frequently than once each quarter, the  
18 Secretary of Defense shall provide the congressional de-  
19 fense committees a briefing on significant military oper-  
20 ations, including all clandestine operations in the informa-  
21 tion environment, carried out by the Department of De-  
22 fense during the immediately preceding quarter.

23 “(2) Each briefing under subsection (1) shall include,  
24 with respect to the military operations in the information  
25 environment described in such paragraph, the following:

1           “(A) An update, disaggregated by geographic  
2           and functional command, that describes the oper-  
3           ations carried out by the commands.

4           “(B) An overview of authorities and legal issues  
5           applicable to the operations, including any relevant  
6           legal limitations.

7           “(C) An outline of any interagency activities  
8           and initiatives relating to the operations.

9           “(D) Such other matters as the Secretary con-  
10          siders appropriate.

11          “(d) RULE OF CONSTRUCTION.—Nothing in this sec-  
12          tion shall be construed to limit, expand, or otherwise alter  
13          the authority of the Secretary to conduct military oper-  
14          ations, including clandestine operations, in the informa-  
15          tion environment, to authorize specific military operations,  
16          or to limit, expand, or otherwise alter or otherwise affect  
17          the War Powers Resolution (50 U.S.C. 1541 et seq.) or  
18          an authorization for use of military force that was in effect  
19          on the day before the date of the enactment of this Act.

20          “(e) DEFINITIONS.—In this section:

21                 “(1) The terms ‘foreign person’ and ‘United  
22                 States person’ have the meanings given such terms  
23                 in section 101 of the Foreign Intelligence Surveil-  
24                 lance Act of 1978 (50 U.S.C. 1801).

1           “(2) The term ‘hostilities’ has the same mean-  
2           ing as such term is used in the War Powers Resolu-  
3           tion (50 U.S.C. 1541 et seq.).

4           “(3) The term ‘clandestine military operation in  
5           the information environment’ means an operation or  
6           activity, or associated preparatory actions, author-  
7           ized by the President or the Secretary of Defense,  
8           that—

9                   “(A) is marked by, held in, or conducted  
10                  with secrecy, where the intent is that the oper-  
11                  ation or activity will not be apparent or ac-  
12                  knowledged publicly; and

13                  “(B) is to be carried out—

14                          “(i) as part of a military operation  
15                          plan approved by the President or the Sec-  
16                          retary of Defense;

17                          “(ii) to deter, safeguard, or defend  
18                          against attacks or malicious influence ac-  
19                          tivities against the United States, allies of  
20                          the United States, and interests of the  
21                          United States; or

22                          “(iii) in support of hostilities or mili-  
23                          tary operations involving the United States  
24                          armed forces; or

1                   “(iv) in support of military operations  
2                   short of hostilities and in areas where hos-  
3                   tilities are not occurring for the purpose of  
4                   preparation of the environment, influence,  
5                   force protection, and deterrence.”.

6                   (2) CLERICAL AMENDMENTS.—

7                   (A) CHAPTER 19.—

8                   (i) CHAPTER HEADING.—The heading  
9                   of chapter 19 of such title is amended to  
10                  read as follows:

11                 **“CHAPTER 19—CYBER AND INFORMATION**  
12                 **OPERATIONS MATTERS”.**

13                  (ii) TABLE OF SECTIONS.—The table  
14                  of sections at the beginning of chapter 19  
15                  of such title is amended by inserting at the  
16                  end the following new item:

“397. Military operations in the information environment.”.

17                  (B) TABLE OF CHAPTERS.—The table of  
18                  chapters for part I of subtitle A of such title is  
19                  amended by striking the item relating to chap-  
20                  ter 19 and inserting the following new item:

**“19. Cyber and Information Operations Matters ..... 391”.**

21                  (b) PRINCIPAL INFORMATION OPERATIONS ADVI-  
22                  SOR.—

23                  (1) DESIGNATION.—The Secretary of Defense  
24                  shall designate, from among officials appointed to a

1 position in the Department of Defense by and with  
2 the advice and consent of the Senate, a Principal In-  
3 formation Operations Advisor to act as the principal  
4 advisor to the Secretary on all aspects of informa-  
5 tion operations conducted by the Department.

6 (2) RESPONSIBILITIES.—The Principal Infor-  
7 mation Operations Advisor shall have the following  
8 responsibilities:

9 (A) Oversight of policy, strategy, planning,  
10 resource management, operational consider-  
11 ations, personnel, and technology development  
12 across all the elements of information oper-  
13 ations of the Department.

14 (B) Overall integration and supervision of  
15 the deterrence of, conduct of, and defense  
16 against information operations.

17 (C) Promulgation of policies to ensure ade-  
18 quate coordination and deconfliction with the  
19 Department of State, the intelligence commu-  
20 nity (as defined in section 3 of the National Se-  
21 curity Act of 1947 (50 U.S.C. 3003)), and  
22 other relevant agencies and departments of the  
23 Federal Government.

24 (D) Coordination with the head of the  
25 Global Engagement Center to support the pur-

1 pose of the Center (as set forth by section  
2 1287(a)(2) of the National Defense Authoriza-  
3 tion Act for Fiscal Year 2017 (Public Law  
4 114–328; 22 U.S.C. 2656 note)) and liaison  
5 with the Center and other relevant Federal  
6 Government entities to support such purpose.

7 (E) Establishing and supervising a rig-  
8 orous risk management process to mitigate the  
9 risk of potential exposure of United States Per-  
10 sons to information intended exclusively for for-  
11 eign audiences.

12 (F) Development of guidance for, and pro-  
13 motion of, the capability of the Department to  
14 liaison with the private sector and academia on  
15 matters relating to the influence activities of  
16 malign actors.

17 (G) Such other matters relating to infor-  
18 mation operations as the Secretary shall specify  
19 for purposes of this subsection.

20 (c) CROSS-FUNCTIONAL TEAM.—

21 (1) ESTABLISHMENT.—The Principal Informa-  
22 tion Operations Advisor shall integrate the expertise  
23 in all elements of information operations and per-  
24 spectives of appropriate organizations within the Of-  
25 fice of the Secretary of Defense, Joint Staff, military

1 departments, Defense Agencies, and combatant com-  
2 mands by establishing and maintaining a full-time  
3 cross-functional team composed of subject-matter ex-  
4 perts selected from those organizations.

5 (2) SELECTION AND ORGANIZATION.—The  
6 cross-functional team established under paragraph  
7 (1) shall be selected, organized, and managed in a  
8 manner consistent with section 911 of the National  
9 Defense Authorization Act for Fiscal Year 2017  
10 (Public Law 114–328; 10 U.S.C. 111 note).

11 (d) DESIGNATION OF COORDINATING AUTHORITY.—

12 (1) DESIGNATION.—The Secretary of Defense  
13 shall designate United States Special Operations  
14 Command as the coordinating authority for informa-  
15 tion operations of the Department.

16 (2) RESPONSIBILITIES.—The combatant com-  
17 mand designated under paragraph (1) shall be re-  
18 sponsible for the following:

19 (A) Synchronizing the Department’s infor-  
20 mation operations plans and operations across  
21 combatant commands.

22 (B) Acting as the joint proponent for in-  
23 formation operations capabilities.

24 (e) STRATEGY AND POSTURE REVIEW.—

1           (1) STRATEGY AND POSTURE REVIEW RE-  
2           REQUIRED.—The Secretary of Defense, acting through  
3           the Principal Information Operations Advisor and  
4           the cross-functional team established under sub-  
5           section (c)(1), shall—

6                   (A) develop or update, as appropriate, a  
7                   strategy for operations in the information envi-  
8                   ronment; and

9                   (B) conduct an information operations pos-  
10                  ture review, including an analysis of capability  
11                  gaps that inhibit the Department’s ability to  
12                  successfully execute the strategy developed or  
13                  updated pursuant to subparagraph (A).

14          (2) ELEMENTS.—At a minimum, the strategy  
15          developed or updated pursuant to paragraph (1)(A)  
16          shall include the following:

17                   (A) The establishment of lines of effort,  
18                   objectives, and tasks that are necessary to im-  
19                   plement the strategy and eliminate the gaps  
20                   identified under paragraph (1)(B).

21                   (B) Designation of offices of primary re-  
22                   sponsibility for implementing and achieving the  
23                   tasks as set forth in the strategy.

1 **SEC. 1682. EXTENSION OF AUTHORIZATION FOR PROTEC-**  
2 **TION OF CERTAIN FACILITIES AND ASSETS**  
3 **FROM UNMANNED AIRCRAFT.**

4 Section 130i(i) of title 10, United States Code, is  
5 amended by striking “2020” both places it appears and  
6 inserting “2024”.

7 **SEC. 1683. HARD AND DEEPLY BURIED TARGETS.**

8 (a) REPORT REQUIRED.—

9 (1) IN GENERAL.—Not later than December 1,  
10 2019, the Chairman of the Joint Chiefs of Staff  
11 shall, in consultation with the Commander of the  
12 United States Strategic Command, submit to the  
13 congressional defense committees a classified report  
14 on hard and deeply buried targets.

15 (2) ELEMENTS.—The report required by para-  
16 graph (1) shall include the following:

17 (A) An estimate of the total number of  
18 high-value hard and deeply buried targets asso-  
19 ciated with United States military operations  
20 plans.

21 (B) A description of the contents, func-  
22 tions, and hardening characteristics of the tar-  
23 gets described in subparagraph (A), as well as  
24 their level of protection by anti-access and area  
25 denial capabilities.

1 (C) An assessment of the current ability of  
2 the United States to hold such targets at risk  
3 using existing conventional and nuclear capa-  
4 bilities.

5 (D) An assessment of the potential ability  
6 of the United States to hold such targets at  
7 risk using projected conventional and nuclear  
8 capabilities as of 2030.

9 (b) PLAN.—Not later than February 15, 2020, the  
10 Secretary of Defense shall develop a plan to ensure that  
11 the United States possesses by 2025 the capabilities to  
12 pose a credible deterrent threat against targets described  
13 in the report required by subsection (a).

14 (c) CERTIFICATION.—Not later than March 1, 2020,  
15 and annually thereafter, the Secretary shall certify to the  
16 congressional defense committees that the plan required  
17 by subsection (b) is being implemented in accordance with  
18 the 2025 deadline specified in that subsection.

19 **DIVISION B—MILITARY CON-**  
20 **STRUCTION AUTHORIZA-**  
21 **TIONS**

22 **SEC. 2001. SHORT TITLE.**

23 This division may be cited as the “Military Construc-  
24 tion Authorization Act for Fiscal Year 2020”.

1 **SEC. 2002. EXPIRATION OF AUTHORIZATIONS AND**  
2 **AMOUNTS REQUIRED TO BE SPECIFIED BY**  
3 **LAW.**

4 (a) EXPIRATION OF AUTHORIZATIONS AFTER FIVE  
5 YEARS.—Except as provided in subsection (b), all author-  
6 izations contained in titles XXI through XXVII and title  
7 XXIX for military construction projects, land acquisition,  
8 family housing projects and facilities, and contributions to  
9 the North Atlantic Treaty Organization Security Invest-  
10 ment Program (and authorizations of appropriations  
11 therefor) shall expire on the later of—

12 (1) October 1, 2024; or

13 (2) the date of the enactment of an Act author-  
14 izing funds for military construction for fiscal year  
15 2025.

16 (b) EXCEPTION.—Subsection (a) shall not apply to  
17 authorizations for military construction projects, land ac-  
18 quisition, family housing projects and facilities, and con-  
19 tributions to the North Atlantic Treaty Organization Se-  
20 curity Investment Program (and authorizations of appro-  
21 priations therefor), for which appropriated funds have  
22 been obligated before the later of—

23 (1) October 1, 2024; or

24 (2) the date of the enactment of an Act author-  
25 izing funds for fiscal year 2025 for military con-  
26 struction projects, land acquisition, family housing

1 projects and facilities, or contributions to the North  
 2 Atlantic Treaty Organization Security Investment  
 3 Program.

4 **SEC. 2003. EFFECTIVE DATE.**

5 Titles XXI through XXVII and title XXIX shall take  
 6 effect on the later of—

7 (1) October 1, 2019; or

8 (2) the date of the enactment of this Act.

9 **TITLE XXI—ARMY MILITARY**  
 10 **CONSTRUCTION**

11 **SEC. 2101. AUTHORIZED ARMY CONSTRUCTION AND LAND**  
 12 **ACQUISITION PROJECTS.**

13 (a) **INSIDE THE UNITED STATES.**—Using amounts  
 14 appropriated pursuant to the authorization of appropria-  
 15 tions in section 2103(a) and available for military con-  
 16 struction projects inside the United States as specified in  
 17 the funding table in section 4601, the Secretary of the  
 18 Army may acquire real property and carry out military  
 19 construction projects for the installations or locations in-  
 20 side the United States, and in the amounts, set forth in  
 21 the following table:

**Army: Inside the United States**

<b>State</b>	<b>Installation</b>	<b>Amount</b>
Alabama .....	Redstone Arsenal .....	\$38,000,000
Colorado .....	Fort Carson .....	\$71,000,000
Georgia .....	Fort Gordon .....	\$107,000,000
	Hunter Army Airfield .....	\$62,000,000
Kentucky .....	Fort Campbell .....	\$61,300,000
Massachusetts .....	Soldier Systems Center Natick .....	\$50,000,000
Michigan .....	Detroit Arsenal .....	\$24,000,000
New York .....	Fort Drum .....	\$44,000,000

**Army: Inside the United States**—Continued

State	Installation	Amount
North Carolina .....	Fort Bragg .....	\$12,500,000
Oklahoma .....	Fort Sill .....	\$73,000,000
Pennsylvania .....	Carlisle Barracks .....	\$98,000,000
South Carolina .....	Fort Jackson .....	\$88,000,000
Texas .....	Corpus Christi Army Depot .....	\$86,000,000
	Fort Hood .....	\$50,500,000
Virginia .....	Fort Belvoir .....	\$60,000,000
	Joint Base Langley-Eustis .....	\$55,000,000
Washington .....	Joint Base Lewis-McChord .....	\$46,000,000

1 (b) OUTSIDE THE UNITED STATES.—Using amounts  
2 appropriated pursuant to the authorization of appropria-  
3 tions in section 2103(a) and available for military con-  
4 struction projects outside the United States as specified  
5 in the funding table in section 4601, the Secretary of the  
6 Army may acquire real property and carry out military  
7 construction projects for the installations or locations out-  
8 side the United States, and in the amounts, set forth in  
9 the following table:

**Army: Outside the United States**

Country	Installation	Amount
Honduras .....	Soto Cano Air Base .....	\$34,000,000
Japan .....	Kadena Air Base .....	\$80,000,000

10 **SEC. 2102. FAMILY HOUSING.**

11 (a) CONSTRUCTION AND ACQUISITION.—Using  
12 amounts appropriated pursuant to the authorization of ap-  
13 propriations in section 2103(a) and available for military  
14 family housing functions as specified in the funding table  
15 in section 4601, the Secretary of the Army may construct  
16 or acquire family housing units (including land acquisition  
17 and supporting facilities) at the installations or locations,

1 in the number of units, and in the amounts set forth in  
 2 the following table:

**Army: Family Housing**

State/Coun- try	Installation or Location	Units	Amount
Pennsylvania	Tobyhanna Army Depot .....	Family Housing Replacement Construction.	\$19,000,000

3 (b) **PLANNING AND DESIGN.**—Using amounts appro-  
 4 priated pursuant to the authorization of appropriations in  
 5 section 2103(a) and available for military family housing  
 6 functions as specified in the funding table in section 4601,  
 7 the Secretary of the Army may carry out architectural and  
 8 engineering services and construction design activities  
 9 with respect to the construction or improvement of family  
 10 housing units in an amount not to exceed \$9,222,000.

11 **SEC. 2103. AUTHORIZATION OF APPROPRIATIONS, ARMY.**

12 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
 13 are hereby authorized to be appropriated for fiscal years  
 14 beginning after September 30, 2019, for military con-  
 15 struction, land acquisition, and military family housing  
 16 functions of the Department of the Army as specified in  
 17 the funding table in section 4601.

18 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**  
 19 **PROJECTS.**—Notwithstanding the cost variations author-  
 20 ized by section 2853 of title 10, United States Code, and  
 21 any other cost variation authorized by law, the total cost  
 22 of all projects carried out under section 2101 of this Act

1 may not exceed the total amount authorized to be appro-  
2 priated under subsection (a), as specified in the funding  
3 table in section 4601.

4 **SEC. 2104. MODIFICATION OF AUTHORITY TO CARRY OUT**  
5 **CERTAIN FISCAL YEAR 2019 PROJECT.**

6 In the case of the authorization contained in the table  
7 in section 2101(a) of the Military Construction Authoriza-  
8 tion Act for Fiscal Year 2019 (division B of Public Law  
9 115–232) for Anniston Army Depot, Alabama, for con-  
10 struction of a weapon maintenance shop, the Secretary of  
11 the Army may construct a 21,000 square foot weapon  
12 maintenance shop.

13 **TITLE XXII—NAVY MILITARY**  
14 **CONSTRUCTION**

15 **SEC. 2201. AUTHORIZED NAVY CONSTRUCTION AND LAND**  
16 **ACQUISITION PROJECTS.**

17 (a) **INSIDE THE UNITED STATES.**—Using amounts  
18 appropriated pursuant to the authorization of appropria-  
19 tions in section 2204(a) and available for military con-  
20 struction projects inside the United States as specified in  
21 the funding table in section 4601, the Secretary of the  
22 Navy may acquire real property and carry out military  
23 construction projects for the installations or locations in-  
24 side the United States, and in the amounts, set forth in  
25 the following table:

**Navy: Inside the United States**

State	Installation or Location	Amount
Arizona .....	Yuma .....	\$189,760,000
California .....	Camp Pendleton .....	\$185,569,000
	China Lake .....	\$64,500,000
	Coronado .....	\$165,830,000
	Marine Corps Air Station Miramar .....	\$37,400,000
	Marine Corps Recruit Depot San Diego .....	\$9,900,000
	Seal Beach .....	\$123,310,000
	Travis Air Force Base .....	\$64,000,000
Connecticut .....	New London .....	\$72,260,000
Florida .....	Naval Air Station Jacksonville .....	\$32,420,000
	Marine Corps Support Facility Blount Is- land.	\$18,700,000
Hawaii .....	Kaneohe Bay .....	\$134,050,000
	West Loch .....	\$53,790,000
North Carolina .....	Camp Lejeune .....	\$229,010,000
	Marine Corps Air Station Cherry Point .....	\$166,870,000
	New River .....	\$11,320,000
South Carolina .....	Marine Corps Recruit Depot Parris Island ..	\$37,200,000
Virginia .....	Norfolk .....	\$79,100,000
	Portsmouth .....	\$48,930,000
	Quantico .....	\$143,350,000
	Yorktown .....	\$59,000,000
Washington .....	Bremerton .....	\$51,010,000
	Keyport .....	\$25,050,000
	Kitsap .....	\$48,000,000
Unspecified CONUS	Zulu .....	\$59,600,000

1 (b) OUTSIDE THE UNITED STATES.—Using amounts  
2 appropriated pursuant to the authorization of appropria-  
3 tions in section 2204(a) and available for military con-  
4 struction projects outside the United States as specified  
5 in the funding table in section 4601, the Secretary of the  
6 Navy may acquire real property and carry out military  
7 construction projects for the installations or locations out-  
8 side the United States, and in the amounts, set forth in  
9 the following table:

**Navy: Outside the United States**

Country	Installation or Location	Amount
Australia .....	Darwin .....	\$211,500,000
Bahrain Island .....	Southwest Asia .....	\$53,360,000
Guam .....	Joint Region Marianas .....	\$226,000,000
Italy .....	Sigonella .....	\$77,400,000
Japan .....	Iwakuni .....	\$15,870,000
	Yokosuka .....	\$174,692,000

1 **SEC. 2202. FAMILY HOUSING.**

2       Using amounts appropriated pursuant to the author-  
3 ization of appropriations in section 2204(a) and available  
4 for military family housing functions as specified in the  
5 funding table in section 4601, the Secretary of the Navy  
6 may carry out architectural and engineering services and  
7 construction design activities with respect to the construc-  
8 tion or improvement of family housing units in an amount  
9 not to exceed \$5,863,000.

10 **SEC. 2203. IMPROVEMENTS TO MILITARY FAMILY HOUSING**  
11                                   **UNITS.**

12       Subject to section 2825 of title 10, United States  
13 Code, and using amounts appropriated pursuant to the  
14 authorization of appropriations in section 2204(a) of this  
15 Act and available for military family housing functions as  
16 specified in the funding table in section 4601, the Sec-  
17 retary of the Navy may improve existing military family  
18 housing units in an amount not to exceed \$41,798,000.

19 **SEC. 2204. AUTHORIZATION OF APPROPRIATIONS, NAVY.**

20       (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
21 are hereby authorized to be appropriated for fiscal years  
22 beginning after September 30, 2019, for military con-  
23 struction, land acquisition, and military family housing  
24 functions of the Department of the Navy, as specified in  
25 the funding table in section 4601.

1 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION  
 2 PROJECTS.—Notwithstanding the cost variations author-  
 3 ized by section 2853 of title 10, United States Code, and  
 4 any other cost variation authorized by law, the total cost  
 5 of all projects carried out under section 2201 of this Act  
 6 may not exceed the total amount authorized to be appro-  
 7 priated under subsection (a), as specified in the funding  
 8 table in section 4601.

9 **TITLE XXIII—AIR FORCE**  
 10 **MILITARY CONSTRUCTION**

11 **SEC. 2301. AUTHORIZED AIR FORCE CONSTRUCTION AND**  
 12 **LAND ACQUISITION PROJECTS.**

13 (a) INSIDE THE UNITED STATES.—Using amounts  
 14 appropriated pursuant to the authorization of appropria-  
 15 tions in section 2304(a) and available for military con-  
 16 struction projects inside the United States as specified in  
 17 the funding table in section 4601, the Secretary of the  
 18 Air Force may acquire real property and carry out mili-  
 19 tary construction projects for the installations or locations  
 20 inside the United States, and in the amounts, set forth  
 21 in the following table:

**Air Force: Inside the United States**

State	Installation or Location	Amount
Alaska .....	Eielson Air Force Base .....	\$8,600,000
Arkansas .....	Little Rock Air Force Base .....	\$47,000,000
California .....	Travis Air Force Base .....	\$43,100,000
Colorado .....	Peterson Air Force Base .....	\$54,000,000
	Schriever Air Force Base .....	\$148,000,000
Illinois .....	Scott Air Force Base .....	\$100,000,000
Missouri .....	Whiteman Air Force Base .....	\$27,000,000
Montana .....	Malmstrom Air Force Base .....	\$235,000,000

**Air Force: Inside the United States**—Continued

State	Installation or Location	Amount
Nevada .....	Nellis Air Force Base .....	\$65,200,000
New Mexico .....	Holloman Air Force Base .....	\$20,000,000
	Kirtland Air Force Base .....	\$37,900,000
North Dakota .....	Minot Air Force Base .....	\$5,500,000
Texas .....	Joint Base San Antonio .....	\$207,300,000
Utah .....	Hill Air Force Base .....	\$114,500,000
Washington .....	Fairechild Air Force Base .....	\$31,000,000
Wyoming .....	F.E. Warren Air Force Base .....	\$18,100,000
Unspecified CONUS .....	Zulu .....	\$31,200,000
Unspecified Worldwide .....	Zulu .....	\$230,000,000

1 (b) OUTSIDE THE UNITED STATES.—Using amounts  
2 appropriated pursuant to the authorization of appropria-  
3 tions in section 2304(a) and available for military con-  
4 struction projects outside the United States as specified  
5 in the funding table in section 4601, the Secretary of the  
6 Air Force may acquire real property and carry out mili-  
7 tary construction projects for the installations or locations  
8 outside the United States, and in the amounts, set forth  
9 in the following table:

**Air Force: Outside the United States**

Country	Installation or Location	Amount
Australia .....	Tindal .....	\$70,600,000
Cyprus .....	Royal Air Force Akrotiri .....	\$27,000,000
Guam .....	Joint Region Marianas .....	\$65,000,000
Japan .....	Kadena Air Base .....	\$31,500,000
	Misawa Air Base .....	\$5,300,000
	Yokota Air Base .....	\$12,400,000
Jordan .....	Azraq .....	\$66,000,000
Mariana Islands .....	Tinian .....	\$316,000,000
United Kingdom .....	Royal Air Force Lakenheath .....	\$14,300,000

10 **SEC. 2302. FAMILY HOUSING.**

11 Using amounts appropriated pursuant to the author-  
12 ization of appropriations in section 2304(a) and available  
13 for military family housing functions as specified in the  
14 funding table in section 4601, the Secretary of the Air

1 Force may carry out architectural and engineering serv-  
2 ices and construction design activities with respect to the  
3 construction or improvement of family housing units in an  
4 amount not to exceed \$3,409,000.

5 **SEC. 2303. IMPROVEMENTS TO MILITARY FAMILY HOUSING**  
6 **UNITS.**

7 Subject to section 2825 of title 10, United States  
8 Code, and using amounts appropriated pursuant to the  
9 authorization of appropriations in section 2304(a) and  
10 available for military family housing functions as specified  
11 in the funding table in section 4601, the Secretary of the  
12 Air Force may improve existing military family housing  
13 units in an amount not to exceed \$53,584,000.

14 **SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR**  
15 **FORCE.**

16 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
17 are hereby authorized to be appropriated for fiscal years  
18 beginning after September 30, 2019, for military con-  
19 struction, land acquisition, and military family housing  
20 functions of the Department of the Air Force, as specified  
21 in the funding table in section 4601.

22 (b) **LIMITATION ON TOTAL COST OF CONSTRUCTION**  
23 **PROJECTS.**—Notwithstanding the cost variations author-  
24 ized by section 2853 of title 10, United States Code, and  
25 any other cost variation authorized by law, the total cost

1 of all projects carried out under section 2301 of this Act  
2 may not exceed the total amount authorized to be appro-  
3 priated under subsection (a), as specified in the funding  
4 table in section 4601.

5 **SEC. 2305. MODIFICATION OF AUTHORITY TO CARRY OUT**  
6 **CERTAIN FISCAL YEAR 2015 PROJECT.**

7 In the case of the authorization contained in the table  
8 in section 2301(b) of the Military Construction Authoriza-  
9 tion Act for Fiscal Year 2015 (division B of Public Law  
10 113–291; 128 Stat. 3679) for Royal Air Force Croughton,  
11 for JIAC Consolidation Phase 1, the location shall be  
12 Royal Air Force Molesworth, United Kingdom.

13 **SEC. 2306. MODIFICATION OF AUTHORITY TO CARRY OUT**  
14 **CERTAIN FISCAL YEAR 2016 PROJECT.**

15 In the case of the authorization contained in the table  
16 in section 2301(b) of the Military Construction Authoriza-  
17 tion Act for Fiscal Year 2016 (division B of Public Law  
18 114–92; 129 Stat. 1153) for JIAC Consolidation Phase  
19 2, as modified by section 2305 of the Military Construc-  
20 tion Authorization Act for Fiscal Year 2019 (division B  
21 of Public Law 115–232) for an unspecified location in the  
22 United Kingdom, the Secretary of the Air Force may con-  
23 struct a 5,152 square meter intelligence analytic center,  
24 a 5,234 square meter intelligence fusion center, and a 807  
25 square meter battlefield information collection and exploi-

1 tation system center at Royal Air Force Molesworth,  
2 United Kingdom.

3 **SEC. 2307. MODIFICATION OF AUTHORITY TO CARRY OUT**  
4 **CERTAIN FISCAL YEAR 2017 PROJECT.**

5 In the case of the authorization contained in the table  
6 in section 2301(b) of the Military Construction Authoriza-  
7 tion Act for Fiscal Year 2017 (division B of Public Law  
8 114–328; 130 Stat. 2697) for JIAC Consolidation Phase  
9 3, as modified by section 2305 of the Military Construc-  
10 tion Authorization Act for Fiscal Year 2019 (division B  
11 of Public Law 115–32) for an unspecified location in the  
12 United Kingdom, the Secretary of the Air Force may con-  
13 struct a 1,562 square meter regional joint intelligence  
14 training facility and a 4,495 square meter combatant com-  
15 mand intelligence facility at Royal Air Force Molesworth,  
16 United Kingdom.

17 **SEC. 2308. ADDITIONAL AUTHORITY TO CARRY OUT CER-**  
18 **TAIN FISCAL YEAR 2018 PROJECTS.**

19 (a) JOINT BASE SAN ANTONIO.—In the case of the  
20 authorization contained in the table in section 2301(a) of  
21 the Military Construction Authorization Act for Fiscal  
22 Year 2018 (division B of Public Law 115–91; 131 Stat.  
23 1826) for Joint Base San Antonio, Texas—

1           (1) for construction of a dining and classroom  
2           facility the Secretary of the Air Force may construct  
3           a 750 square meter equipment building; and

4           (2) for construction of an air traffic control  
5           tower the Secretary of the Air Force may construct  
6           a 636 square meter air traffic control tower.

7           (b) RYGGE.—In the case of the authorization con-  
8           tained in the table in section 2903 of the Military Con-  
9           struction Authorization Act for Fiscal Year 2018 (division  
10          B of Public Law 115–91; 131 Stat. 1876) for Rygge, Nor-  
11          way, for repairing and expanding a quick reaction alert  
12          pad, the Secretary of the Air Force may construct 1,327  
13          square meters of aircraft shelter and a 404 square meter  
14          fire protection support building.

15   **SEC. 2309. MODIFICATION OF AUTHORITY TO CARRY OUT**  
16                                   **CERTAIN FISCAL YEAR 2019 PROJECTS.**

17          (a) HANSCOM AIR FORCE BASE.—In the case of the  
18          authorization contained in the table in section 2301(a) of  
19          the Military Construction Authorization Act for Fiscal  
20          Year 2019 (division B of Public Law 115–232) for  
21          Hanscom Air Force Base, Massachusetts, for the con-  
22          struction of a semiconductor or microelectronics lab facil-  
23          ity, the Secretary of the Air Force may construct a 1,000  
24          kilowatt stand-by generator.

1 (b) ROYAL AIR FORCE LAKENHEATH.—In the case  
 2 of the authorization contained in the table in section  
 3 2301(b) of the Military Construction Authorization Act  
 4 for Fiscal Year 2019 (division B of Public Law 115–232)  
 5 for Royal Air Force Lakenheath, United Kingdom, for the  
 6 construction of an F-35 dormitory, the Secretary of the  
 7 Air Force may construct a 5,900 square meter dormitory.

8 **TITLE XXIV—DEFENSE AGEN-**  
 9 **CIES MILITARY CONSTRU-**  
 10 **CTION**

11 **SEC. 2401. AUTHORIZED DEFENSE AGENCIES CONSTRUC-**  
 12 **TION AND LAND ACQUISITION PROJECTS.**

13 (a) INSIDE THE UNITED STATES.—Using amounts  
 14 appropriated pursuant to the authorization of appropria-  
 15 tions in section 2403(a) and available for military con-  
 16 struction projects inside the United States as specified in  
 17 the funding table in section 4601, the Secretary of De-  
 18 fense may acquire real property and carry out military  
 19 construction projects for the installations or locations in-  
 20 side the United States, and in the amounts, set forth in  
 21 the following table:

**Defense Agencies: Inside the United States**

<b>State</b>	<b>Installation or Location</b>	<b>Amount</b>
California .....	Beale Air Force Base .....	\$33,700,000
	Camp Pendleton .....	\$17,700,000
CONUS Classified ....	Classified Location .....	\$82,200,000
Florida .....	Elgin Air Force Base .....	\$16,500,000
	Hurlburt Field .....	\$108,386,000
Hawaii .....	Key West .....	\$16,000,000
	Joint Base Pearl Harbor-Hickam .....	\$67,700,000

**Defense Agencies: Inside the United States**—Continued

<b>State</b>	<b>Installation or Location</b>	<b>Amount</b>
Maryland .....	Fort Detrick .....	\$27,846,000
Mississippi .....	Columbus Air Force Base .....	\$16,800,000
North Carolina .....	Camp Lejeune .....	\$13,400,000
	Fort Bragg .....	\$84,103,000
Oklahoma .....	Tulsa International Airport .....	\$18,900,000
Rhode Island .....	Quonset State Airport .....	\$11,600,000
South Carolina .....	Joint Base Charleston .....	\$33,300,000
South Dakota .....	Ellsworth Air Force Base .....	\$24,800,000
Virginia .....	Dam Neck .....	\$12,770,000
	Defense Distribution Depot Richmond .....	\$98,800,000
	Joint Expeditionary Base Little Creek-Fort Story.	\$45,604,000
	Pentagon .....	\$28,802,000
Washington .....	Joint Base Lewis-McChord .....	\$47,700,000
Wisconsin .....	General Mitchell International Airport .....	\$25,900,000
Unspecified CONUS	Zulu .....	\$100,000,000

1           (b) OUTSIDE THE UNITED STATES.—Using amounts  
2 appropriated pursuant to the authorization of appropria-  
3 tions in section 2403(a) and available for military con-  
4 struction projects outside the United States as specified  
5 in the funding table in section 4601, the Secretary of De-  
6 fense may acquire real property and carry out military  
7 construction projects for the installations or locations out-  
8 side the United States, and in the amounts, set forth in  
9 the following table:

**Defense Agencies: Outside the United States**

<b>Country</b>	<b>Installation or Location</b>	<b>Amount</b>
Germany .....	Geilenkirchen Air Base .....	\$30,479,000
	Ramstein Air Base .....	\$66,880,000
Guam .....	Joint Region Marianas .....	\$19,200,000
Japan .....	Yokota Air Base .....	\$136,411,000
Worldwide Classi- fied .....	Classified Location .....	\$52,000,000

1 **SEC. 2402. AUTHORIZED ENERGY RESILIENCE AND CON-**  
 2 **SERVATION INVESTMENT PROGRAM**  
 3 **PROJECTS.**

4 (a) **INSIDE THE UNITED STATES.**—Using amounts  
 5 appropriated pursuant to the authorization of appropria-  
 6 tions in section 2403(a) and available for energy conserva-  
 7 tion projects as specified in the funding table in section  
 8 4601, the Secretary of Defense may carry out energy con-  
 9 servation projects under chapter 173 of title 10, United  
 10 States Code, for the installations or locations inside the  
 11 United States, and in the amounts, set forth in the fol-  
 12 lowing table:

**ERCIP Projects: Inside the United States**

<b>State</b>	<b>Installation or Location</b>	<b>Amount</b>
California .....	Mountain View .....	\$9,700,000
	Naval Air Weapons Station China Lake .....	\$8,950,000
	Naval Support Activity Monterey .....	\$10,540,000
Hawaii .....	Joint Base Pearl Harbor-Hickam .....	\$4,000,000
Louisiana .....	Joint Reserve Base Naval Air Station New Orleans .....	\$5,340,000
Maryland .....	South Potomac .....	\$18,460,000
	Naval Support Activity Bethesda .....	\$13,840,000
New Mexico .....	White Sands Missile Range .....	\$5,800,000
Texas .....	Fort Hood .....	\$16,500,000
	Camp Swift .....	\$4,500,000
Virginia .....	National Reconnaissance Office Headquarters .....	\$66,000
Washington .....	Naval Base Kitsap .....	\$23,670,000

13 (b) **OUTSIDE THE UNITED STATES.**—Using amounts  
 14 appropriated pursuant to the authorization of appropria-  
 15 tions in section 2403(a) and available for energy conserva-  
 16 tion projects as specified in the funding table in section  
 17 4601, the Secretary of Defense may carry out energy con-  
 18 servation projects under chapter 173 of title 10, United

1 States Code, for the installations or locations outside the  
 2 United States, and in the amounts, set forth in the fol-  
 3 lowing table:

**ERCIP Projects: Outside the United States**

Country	Installation or Location	Amount
Guam .....	Naval Base Guam .....	\$16,970,000

4 **SEC. 2403. AUTHORIZATION OF APPROPRIATIONS, DE-**  
 5 **FENSE AGENCIES.**

6 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
 7 are hereby authorized to be appropriated for fiscal years  
 8 beginning after September 30, 2019, for military con-  
 9 struction, land acquisition, and military family housing  
 10 functions of the Department of Defense (other than the  
 11 military departments), as specified in the funding table  
 12 in section 4601.

13 (b) LIMITATION ON TOTAL COST OF CONSTRUCTION  
 14 PROJECTS.—Notwithstanding the cost variations author-  
 15 ized by section 2853 of title 10, United States Code, and  
 16 any other cost variation authorized by law, the total cost  
 17 of all projects carried out under section 2401 of this Act  
 18 may not exceed the total amount authorized to be appro-  
 19 priated under subsection (a), as specified in the funding  
 20 table in section 4601.

1       **TITLE XXV—INTERNATIONAL**  
2                   **PROGRAMS**  
3       **Subtitle A—North Atlantic Treaty**  
4           **Organization Security Invest-**  
5           **ment Program**

6       **SEC. 2501. AUTHORIZED NATO CONSTRUCTION AND LAND**  
7                   **ACQUISITION PROJECTS.**

8           The Secretary of Defense may make contributions for  
9 the North Atlantic Treaty Organization Security Invest-  
10 ment Program as provided in section 2806 of title 10,  
11 United States Code, in an amount not to exceed the sum  
12 of the amount authorized to be appropriated for this pur-  
13 pose in section 2502 and the amount collected from the  
14 North Atlantic Treaty Organization as a result of con-  
15 struction previously financed by the United States.

16       **SEC. 2502. AUTHORIZATION OF APPROPRIATIONS, NATO.**

17           (a) AUTHORIZATION.—Funds are hereby authorized  
18 to be appropriated for fiscal years beginning after Sep-  
19 tember 30, 2019, for contributions by the Secretary of De-  
20 fense under section 2806 of title 10, United States Code,  
21 for the share of the United States of the cost of projects  
22 for the North Atlantic Treaty Organization Security In-  
23 vestment Program authorized by section 2501 as specified  
24 in the funding table in section 4601.

(b) AUTHORITY TO RECOGNIZE NATO AUTHORIZATION AMOUNTS AS BUDGETARY RESOURCES FOR PROJECT EXECUTION.—When the United States is designated as the Host Nation for the purposes of executing a project under the NATO Security Investment Program (NSIP), the Department of Defense construction agent may recognize the NATO project authorization amounts as budgetary resources to incur obligations for the purposes of executing the NSIP project.

## Subtitle B—Host Country In-Kind Contributions

### SEC. 2511. REPUBLIC OF KOREA FUNDED CONSTRUCTION PROJECTS.

Pursuant to agreement with the Republic of Korea for required in-kind contributions, the Secretary of Defense may accept military construction projects for the installations or locations, and in the amounts, set forth in the following table:

**Republic of Korea Funded Construction Projects**

Country	Component	Installation or Location	Project	Amount
Korea .....	Army .....	Camp Carroll	Army Prepositioned Stock-4 Wheeled Vehicle Maintenance Facility .....	\$51,000,000
	Army .....	Camp Humphreys .....	Unaccompanied Enlisted Personnel Housing, P1 .....	\$154,000,000
	Army .....	Camp Humphreys .....	Unaccompanied Enlisted Personnel Housing, P2 .....	\$211,000,000
	Army .....	Camp Humphreys .....	Satellite Communications Facility .....	\$32,000,000

**Republic of Korea Funded Construction Projects—Continued**

<b>Country</b>	<b>Component</b>	<b>Installation or Location</b>	<b>Project</b>	<b>Amount</b>
	Air Force ..	Gwangju Air Base .....	Hydrant Fuel System Upgrade Electrical	\$35,000,000
	Air Force ..	Kunsan Air Base .....	Distribution System ..	\$14,200,000
	Air Force ..	Kunsan Air Base .....	Dining Facility .....	\$21,000,000
	Air Force ..	Suwon Air Base .....	Hydrant Fuel System	\$24,000,000

1                   **TITLE XXVI—GUARD AND**  
2                   **RESERVE FORCES FACILITIES**

3   **SEC. 2601. AUTHORIZED ARMY NATIONAL GUARD CON-**  
4                   **STRUCTION AND LAND ACQUISITION**  
5                   **PROJECTS.**

6           Using amounts appropriated pursuant to the author-  
7 ization of appropriations in section 2606 and available for  
8 the National Guard and Reserve as specified in the fund-  
9 ing table in section 4601, the Secretary of the Army may  
10 acquire real property and carry out military construction  
11 projects for the Army National Guard locations inside the  
12 United States, and in the amounts, set forth in the fol-  
13 lowing table:

**Army National Guard**

<b>State</b>	<b>Location</b>	<b>Amount</b>
Alabama .....	Anniston Army Depot .....	\$34,000,000
	Foley .....	\$12,000,000
California .....	Camp Roberts .....	\$12,000,000
Idaho .....	Orchard Training Area .....	\$29,000,000
Maryland .....	Havre de Grace .....	\$12,000,000
Massachusetts .....	Camp Edwards .....	\$9,700,000
Minnesota .....	New Ulm .....	\$11,200,000
Mississippi .....	Camp Shelby .....	\$8,100,000
Missouri .....	Springfield .....	\$12,000,000
Nebraska .....	Bellevue .....	\$29,000,000
New Hampshire .....	Concord .....	\$5,950,000
New York .....	Jamaica Armory .....	\$91,000,000
Pennsylvania .....	Moon Township .....	\$23,000,000

**Army National Guard**—Continued

<b>State</b>	<b>Location</b>	<b>Amount</b>
Vermont .....	Camp Ethan Allen .....	\$30,000,000
Washington .....	Richland .....	\$11,400,000

1 **SEC. 2602. AUTHORIZED ARMY RESERVE CONSTRUCTION**  
2 **AND LAND ACQUISITION PROJECTS.**

3 Using amounts appropriated pursuant to the author-  
4 ization of appropriations in section 2606 and available for  
5 the National Guard and Reserve as specified in the fund-  
6 ing table in section 4601, the Secretary of the Army may  
7 acquire real property and carry out military construction  
8 projects for the Army Reserve locations inside the United  
9 States, and in the amounts, set forth in the following  
10 table:

**Army Reserve**

<b>State</b>	<b>Location</b>	<b>Amount</b>
Delaware .....	Dover Air Force Base .....	\$21,000,000
Wisconsin .....	Fort McCoy .....	\$25,000,000

11 **SEC. 2603. AUTHORIZED NAVY RESERVE AND MARINE**  
12 **CORPS RESERVE CONSTRUCTION AND LAND**  
13 **ACQUISITION PROJECTS.**

14 Using amounts appropriated pursuant to the author-  
15 ization of appropriations in section 2606 and available for  
16 the National Guard and Reserve as specified in the fund-  
17 ing table in section 4601, the Secretary of the Navy may  
18 acquire real property and carry out military construction  
19 projects for the Navy Reserve and Marine Corps Reserve

1 locations inside the United States, and in the amounts,  
 2 set forth in the following table:

**Navy Reserve and Marine Corps Reserve**

State	Location	Amount
Louisiana .....	New Orleans .....	\$25,260,000

3 **SEC. 2604. AUTHORIZED AIR NATIONAL GUARD CONSTRUC-**  
 4 **TION AND LAND ACQUISITION PROJECTS.**

5 Using amounts appropriated pursuant to the author-  
 6 ization of appropriations in section 2606 and available for  
 7 the National Guard and Reserve as specified in the fund-  
 8 ing table in section 4601, the Secretary of the Air Force  
 9 may acquire real property and carry out military construc-  
 10 tion projects for the Air National Guard locations inside  
 11 the United States, and in the amounts, set forth in the  
 12 following table:

**Air National Guard**

State	Location	Amount
California .....	Moffett Air National Guard Base .....	\$57,000,000
Georgia .....	Savannah/Hilton Head International Airport.	\$24,000,000
Missouri .....	Rosecrans Memorial Airport .....	\$9,500,000
Puerto Rico .....	Luis Munoz Marin International Air- port.	\$50,000,000
Wisconsin .....	Truax Field Air National Guard Base	\$34,000,000

13 **SEC. 2605. AUTHORIZED AIR FORCE RESERVE CONSTRUC-**  
 14 **TION AND LAND ACQUISITION PROJECTS.**

15 Using amounts appropriated pursuant to the author-  
 16 ization of appropriations in section 2606 and available for  
 17 the National Guard and Reserve as specified in the fund-  
 18 ing table in section 4601, the Secretary of the Air Force

1 may acquire real property and carry out military construc-  
 2 tion projects for the Air Force Reserve locations inside  
 3 the United States, and in the amounts, set forth in the  
 4 following table:

**Air Force Reserve**

State	Location	Amount
Georgia .....	Robins Air Force Base .....	\$43,000,000
Minnesota .....	Minneapolis-St. Paul International Airport.	\$9,800,000

5 **SEC. 2606. AUTHORIZATION OF APPROPRIATIONS, NA-**  
 6 **TIONAL GUARD AND RESERVE.**

7 Funds are hereby authorized to be appropriated for  
 8 fiscal years beginning after September 30, 2019, for the  
 9 costs of acquisition, architectural and engineering services,  
 10 and construction of facilities for the Guard and Reserve  
 11 Forces, and for contributions therefor, under chapter  
 12 1803 of title 10, United States Code (including the cost  
 13 of acquisition of land for those facilities), as specified in  
 14 the funding table in section 4601.

1 **TITLE XXVII—BASE REALIGN-**  
2 **MENT AND CLOSURE ACTIVI-**  
3 **TIES**

4 **SEC. 2701. AUTHORIZATION OF APPROPRIATIONS FOR**  
5 **BASE REALIGNMENT AND CLOSURE ACTIVI-**  
6 **TIES FUNDED THROUGH DEPARTMENT OF**  
7 **DEFENSE BASE CLOSURE ACCOUNT.**

8 Funds are hereby authorized to be appropriated for  
9 fiscal years beginning after September 30, 2019, for base  
10 realignment and closure activities, including real property  
11 acquisition and military construction projects, as author-  
12 ized by the Defense Base Closure and Realignment Act  
13 of 1990 (part A of title XXIX of Public Law 101–510;  
14 10 U.S.C. 2687 note) and funded through the Department  
15 of Defense Base Closure Account established by section  
16 2906 of such Act (as amended by section 2711 of the Mili-  
17 tary Construction Authorization Act for Fiscal Year 2013  
18 (division B of Public Law 112–239; 126 Stat. 2140)), as  
19 specified in the funding table in section 4601.

20 **SEC. 2702. PROHIBITION ON CONDUCTING ADDITIONAL**  
21 **BASE REALIGNMENT AND CLOSURE (BRAC)**  
22 **ROUND.**

23 Nothing in this Act shall be construed to authorize  
24 an additional Base Realignment and Closure (BRAC)  
25 round.

1 **TITLE XXVIII—MILITARY CON-**  
 2 **STRUCTION GENERAL PROVI-**  
 3 **SIONS**

4 **Subtitle A—Military Construction**  
 5 **Program**

6 **SEC. 2801. MILITARY INSTALLATION RESILIENCE PLANS**  
 7 **AND PROJECTS OF DEPARTMENT OF DE-**  
 8 **FENSE.**

9 (a) PLANS AND PROJECTS.—

10 (1) IN GENERAL.—Subchapter I of chapter 169  
 11 of title 10, United States Code, is amended by add-  
 12 ing at the end the following new sections:

13 **“§ 2815. Military installation resilience plans**

14 “(a) IN GENERAL.—The Secretary of each military  
 15 department shall ensure the maintenance and enhance-  
 16 ment of military installation resilience through the devel-  
 17 opment and implementation of military installation resil-  
 18 ience plans under this section for each military installation  
 19 under the jurisdiction of such Secretary that is in a coastal  
 20 area.

21 “(b) MILITARY INSTALLATION RESILIENCE PLANS  
 22 FOR NATIONAL GUARD INSTALLATIONS.—The Secretary  
 23 of a military department, subject to the availability of ap-  
 24 propriations, may develop and implement a military instal-

1 lation resilience plan for a State-owned installation of the  
2 National Guard that is in a coastal area if—

3 “(1) such a plan is developed and implemented  
4 in coordination with the chief executive officer of the  
5 State in which the installation is located; and

6 “(2) such a plan is deemed, for purposes of any  
7 other provision of law, to be for lands or other geo-  
8 graphical areas owned or controlled by the Depart-  
9 ment of Defense, or designated for use by the De-  
10 partment of Defense.

11 “(c) REQUIRED ELEMENTS OF PLANS.—To the ex-  
12 tent appropriate and applicable, each military installation  
13 resilience plan under this section shall provide for the fol-  
14 lowing:

15 “(1) A qualitative and, to the extent prac-  
16 ticable, quantitative assessment of—

17 “(A) current risks and threats to the resil-  
18 ience of the military installation, including from  
19 extreme weather events, mean sea level fluctua-  
20 tion, flooding, and other changes in environ-  
21 mental conditions; and

22 “(B) future risks and threats, including  
23 from extreme weather events, mean sea level  
24 fluctuation, flooding, and other changes in envi-  
25 ronmental conditions, based on projections from

1 reliable and authorized sources as described in  
2 section 2805(c) of the Military Construction  
3 Authorization Act for Fiscal Year 2019 (divi-  
4 sion B of Public Law 115–232; 10 U.S.C. 2864  
5 note), to the resilience of any project considered  
6 in the master plan for the installation under  
7 section 2864 of this title during the 50-year  
8 lifespan of the installation.

9 “(2) A description of the—

10 “(A) assets or infrastructure located on  
11 the installation vulnerable to the risks and  
12 threats described in paragraph (1), with special  
13 emphasis on assets or infrastructure critical to  
14 the accomplishment of the missions of the in-  
15 stallation and missions of any members of the  
16 armed forces stationed at the installation; and

17 “(B) community infrastructure and re-  
18 sources located outside the military installation  
19 that are—

20 “(i) critical to the accomplishment of  
21 the missions of the military installation  
22 and of members of the armed forces sta-  
23 tioned at the installation; and

24 “(ii) vulnerable to the risks and  
25 threats described in paragraph (1).

1 “(3) A description of the—

2 “(A) current or planned infrastructure  
3 projects or other measures to mitigate the im-  
4 pacts of risks and threats described in para-  
5 graph (1) to the resilience of the military instal-  
6 lation and the accomplishment of the missions  
7 of the military installation and missions of  
8 members of the armed forces stationed at the  
9 installation;

10 “(B) estimated costs associated with such  
11 current or planned infrastructure projects or  
12 other mitigation measures; and

13 “(C) current or planned interagency agree-  
14 ments, cooperative agreements, memoranda of  
15 agreement, or other agreements with other Fed-  
16 eral agencies, Indian tribes, State or local gov-  
17 ernments or entities, or other organizations or  
18 individuals for the purpose of or that will assist  
19 in maintaining or enhancing military installa-  
20 tion resilience and the resilience of the commu-  
21 nity infrastructure and resources described in  
22 paragraph (2)(B).

23 “(d) CONSISTENCY AND INTEGRATION WITH OTHER  
24 PLANS.—The Secretary of each military department shall

1 ensure that each military installation resilience plan pre-  
2 pared by such Secretary under this section is—

3           “(1) consistent with the integrated natural re-  
4 source management plan of the Secretary required  
5 by section 101(a)(1)(B) of the Sikes Act (16 U.S.C.  
6 670a);

7           “(2) consistent with and integrated into the in-  
8 stallation energy resilience master plan of the Sec-  
9 retary required by section 2911(b)(3) of this title;  
10 and

11           “(3) consistent with and integrated into the in-  
12 stallation master plan of the Secretary required by  
13 section 2864 of this title.

14           “(e) INCLUSION OF CERTAIN PROJECTS.—The Sec-  
15 retary of each military department shall include in mili-  
16 tary installation resilience plans under this section  
17 projects or improvements to facilities conducted using  
18 amounts for sustainment, restoration, and modernization.

19           “(f) DEFINITIONS.—In this section:

20           “(1) The term ‘community infrastructure’ has  
21 the meaning given that term in section 2391(e)(4)  
22 of this title.

23           “(2) The term ‘Indian tribe’ has the meaning  
24 given that term in section 4 of the Indian Self-De-

1 termination and Education Assistance Act (25  
2 U.S.C. 5304).”.

3 **“§ 2815a. Military installation resilience projects**

4 “(a) PROJECTS REQUIRED.—The Secretary of De-  
5 fense shall carry out military construction projects for  
6 military installation resilience, not previously authorized,  
7 using funds authorized to be appropriated or otherwise  
8 made available for that purpose.

9 “(b) CONGRESSIONAL NOTIFICATION.—(1) When a  
10 decision is made to carry out a project under this section,  
11 the Secretary of Defense shall notify the congressional de-  
12 fense committees of that decision.

13 “(2) The Secretary of Defense shall include in each  
14 notification submitted under paragraph (1) the rationale  
15 for how the project would—

16 “(A) enhance military installation resilience;

17 “(B) enhance mission assurance;

18 “(C) support mission critical functions; and

19 “(D) address known vulnerabilities.

20 “(c) TIMING OF PROJECTS.—A project may be car-  
21 ried out under this section only after the end of the 14-  
22 day period beginning on the date that notification with  
23 respect to that project under subsection (b) is received by  
24 the congressional defense committees in an electronic me-  
25 dium pursuant to section 480 of this title.

1       “(d) ANNUAL REPORT.—Not later than 90 days after  
2 the end of each fiscal year, the Secretary of Defense shall  
3 submit to the congressional defense committees a report  
4 on the status of the planned and active projects carried  
5 out under this section (including completed projects), and  
6 shall include in the report with respect to each such  
7 project the following information:

8           “(1) The title, location, a brief description of  
9 the scope of work, the original project cost estimate,  
10 and the current working cost estimate.

11          “(2) The rationale for how the project would—

12           “(A) enhance military installation resil-  
13 ience;

14           “(B) enhance mission assurance;

15           “(C) support mission critical functions;

16          and

17           “(D) address known vulnerabilities.

18          “(3) Such other information as the Secretary  
19 considers appropriate.

20       “(e) AUTHORIZATION OF APPROPRIATIONS.—There  
21 is authorized to be appropriated to the Department of De-  
22 fense to carry out this section \$100,000,000 for each fiscal  
23 year.”.

24          (2) CLERICAL AMENDMENT.—The table of sec-  
25 tions at the beginning of chapter 169 of such title

1 is amended by inserting after the item relating to  
2 section 2814 the following new items:

“2815. Military installation resilience plans.

“2815a. Military installation resilience projects.”.

3 (b) REPORT.—

4 (1) IN GENERAL.—Not later than March 1,  
5 2020, the Secretary of Defense shall submit to the  
6 congressional defense committees a report on the ex-  
7 tent to which military installation resilience plans  
8 were prepared or implemented in accordance with  
9 section 2815 of title 10, United States Code, as  
10 added by subsection (a)(1).

11 (2) ELEMENTS.—The report required by para-  
12 graph (1) shall include the following:

13 (A) The number of military installation re-  
14 siliance plans in effect, including the date on  
15 which each plan was issued in final form or  
16 most recently revised.

17 (B) The amounts expended on mitigation  
18 measures conducted pursuant to or consistent  
19 with such plans, including moving critical mili-  
20 tary functions of the Department of Defense to  
21 less vulnerable military installations.

22 (C) An assessment of the extent to which  
23 such plans comply with section 2815 of title 10,

1 United States Code, as added by subsection  
2 (a)(1).

3 **SEC. 2802. PROHIBITION ON USE OF FUNDS TO REDUCE AIR**  
4 **BASE RESILIENCY OR DEMOLISH PROTECTED**  
5 **AIRCRAFT SHELTERS IN THE EUROPEAN**  
6 **THEATER WITHOUT CREATING A SIMILAR**  
7 **PROTECTION FROM ATTACK.**

8 No funds authorized to be appropriated by this Act  
9 or otherwise made available for the Department of De-  
10 fense for fiscal year 2020 may be obligated or expended  
11 to implement any activity that reduces air base resiliency  
12 or demolishes protected aircraft shelters in the European  
13 theater without creating a similar protection from attack  
14 in the European theater until such time as the Secretary  
15 of Defense certifies to the congressional defense commit-  
16 tees that protected aircraft shelters are not required in  
17 the European theater.

18 **SEC. 2803. PROHIBITION ON USE OF FUNDS TO CLOSE OR**  
19 **RETURN TO THE HOST NATION ANY EXISTING**  
20 **AIR BASE.**

21 No funds authorized to be appropriated by this Act  
22 or otherwise made available for the Department of De-  
23 fense for fiscal year 2020 may be obligated or expended  
24 to implement any activity that closes or returns to the host  
25 nation any existing air base until such time as the Sec-

1 retary of Defense certifies that there is no longer a need  
2 for a rotational military presence in the European theater.

3 **SEC. 2804. INCREASED AUTHORITY FOR CERTAIN UNSPEC-**  
4 **IFIED MINOR MILITARY CONSTRUCTION**  
5 **PROJECTS.**

6 (a) IN GENERAL.—Notwithstanding the limitations  
7 specified in section 2805 of title 10, United States Code,  
8 the Secretary concerned may carry out unspecified minor  
9 military construction projects in an amount not to exceed  
10 \$12,000,000 at the following installations:

- 11 (1) Tyndall Air Force Base, Florida.
- 12 (2) Camp Ashland, Nebraska.
- 13 (3) Offutt Air Force Base, Nebraska.
- 14 (4) Camp Lejeune, North Carolina.
- 15 (5) Marine Corps Air Station Cherry Point,  
16 North Carolina.

17 (b) ADJUSTMENT OF LIMITATION.—The Secretary  
18 concerned may adjust the dollar limitation specified in  
19 subsection (a) applicable to a project described in such  
20 subsection to reflect the area construction cost index for  
21 military construction projects published by the Depart-  
22 ment of Defense during the prior fiscal year for the loca-  
23 tion of the project, except that no such limitation may ex-  
24 ceed \$19,000,000 as the result of any adjustment made  
25 under this subsection.

1 (c) TERMINATION.—The authority under this section  
2 shall terminate on the date that is five years after the date  
3 of the enactment of this Act.

4 **SEC. 2805. TECHNICAL CORRECTIONS AND IMPROVEMENTS**  
5 **TO INSTALLATION RESILIENCE.**

6 (a) DEFENSE ACCESS ROADS.—Section 210 of title  
7 23, United States Code, is amended—

8 (1) in subsection (a), by striking “(a)(1) The  
9 Secretary” and all that follows through the end of  
10 paragraph (1) and inserting the following:

11 “(a) AUTHORIZATION.—

12 “(1) IN GENERAL.—Of the funds appropriated  
13 for defense access roads, the Secretary may use such  
14 amounts as are appropriate for—

15 “(A) the construction and maintenance of  
16 defense access roads (including bridges, tubes,  
17 tunnels, and culverts or other water manage-  
18 ment structures on those roads) to—

19 “(i) military reservations;

20 “(ii) defense industry sites;

21 “(iii) air or sea ports that, as deter-  
22 mined by the Secretary, in consultation  
23 with the Secretary of Defense, are nec-  
24 essary for or are planned to be used for  
25 the deployment or sustainment of members

1 of the Armed Forces, equipment, or sup-  
2 plies; or

3 “(iv) sources of raw materials;

4 “(B) the reconstruction or enhancement of,  
5 or improvements to, those roads to ensure the  
6 continued effective use of the roads, regardless  
7 of current or projected increases in mean high  
8 tides, recurrent flooding, or other weather-re-  
9 lated conditions or natural disasters, in any  
10 case in which the roads are certified to the Sec-  
11 retary as important to the national defense  
12 by—

13 “(i) the Secretary of Defense; or

14 “(ii) such other official as the Presi-  
15 dent may designate; and

16 “(C) replacing existing highways and high-  
17 way connections that are shut off from general  
18 public use by necessary closures, closures due to  
19 mean sea level fluctuation and flooding, or re-  
20 strictions at—

21 “(i) military reservations;

22 “(ii) air or sea ports that are nec-  
23 essary for or are planned to be used for  
24 the deployment or sustainment of members

1 of the Armed Forces, equipment, or sup-  
2 plies; or

3 “(iii) defense industry sites.”;

4 (2) in subsection (b), by striking “the construc-  
5 tion and maintenance of” and inserting “the con-  
6 struction, maintenance, reconstruction, or improve-  
7 ment of, or enhancements to,”;

8 (3) in subsection (c)—

9 (A) by striking “him” and inserting “the  
10 Secretary”;

11 (B) by striking “construction, mainte-  
12 nance, and repair work” and inserting “activi-  
13 ties for construction, maintenance, reconstruc-  
14 tion, enhancement, improvement, and repair”;

15 (C) by striking “therein” and inserting “in  
16 those areas”; and

17 (D) by striking “condition for such train-  
18 ing purposes and for repairing the damage  
19 caused to such highways by the operations” and  
20 inserting the following: “condition for—

21 “(1) that training; and

22 “(2) repairing the damage to those highways  
23 caused by—

1           “(A) weather-related events, increases in  
2           mean high tide levels, recurrent flooding, or  
3           natural disasters; or

4           “(B) the operations”;

5           (4) in subsection (g), in the second sentence, by  
6           striking “construction which has been” and inserting  
7           “construction and other activities”; and

8           (5) by striking subsection (i) and inserting the  
9           following:

10          “(i) REPAIR OF CERTAIN DAMAGES AND INFRA-  
11          STRUCTURE.—The amounts made available to carry out  
12          this section may be used to pay the cost of repairing dam-  
13          age caused, or any infrastructure to mitigate a risk posed,  
14          to a defense access road by recurrent or projected recur-  
15          rent flooding, sea level fluctuation, a natural disaster, or  
16          any other current or projected change in applicable envi-  
17          ronmental conditions, if the Secretary determines that  
18          continued access to a military installation, defense indus-  
19          try site, air or sea port necessary for or planned to be  
20          used for the deployment or sustainment of members of the  
21          Armed Forces, equipment, or supplies, or to a source of  
22          raw materials, has been or is projected to be impacted by  
23          those events or conditions.”.

24          (b) STUDY ON CERTAIN THREATS TO MILITARY IN-  
25          STALLATION RESILIENCE.—

1 (1) STUDY.—

2 (A) IN GENERAL.—Not later than March  
3 1, 2020, the Secretary of Defense shall com-  
4 plete a comprehensive study, to be conducted by  
5 the Director of the Engineer Research and De-  
6 velopment Center of the Army Corps of Engi-  
7 neers, on the risks posed by coastal or inland  
8 flooding, mean sea level fluctuation, and storm  
9 surge to the military installation resilience of  
10 military installations and State-owned installa-  
11 tions of the National Guard that the Secretary  
12 determines are vulnerable to those risks.

13 (B) COORDINATION.—The study under  
14 subparagraph (A) shall be conducted in coordi-  
15 nation with other elements of the Army Corps  
16 of Engineers, other Federal agencies, and  
17 State, local, and tribal officials to ensure con-  
18 sistency with other plans or pre-disaster and  
19 risk mitigation measures being planned or  
20 taken in the areas within the scope of the  
21 study.

22 (2) RISK MITIGATION MEASURES.—The study  
23 required by paragraph (1)(A) shall include the iden-  
24 tification of and recommendations concerning ongo-  
25 ing or potential risk mitigation measures, including

1 on lands and waters not under the jurisdiction of the  
2 Department of Defense, including authorized  
3 projects of the Army Corps of Engineers and cur-  
4 rent or potential projects under the Continuing Au-  
5 thorities Program of the Corps of Engineers, that  
6 would contribute to preserving or enhancing the  
7 military installation resilience of military installa-  
8 tions and State-owned installations of the National  
9 Guard within the scope of the study.

10 (3) BARRIERS TO MAINTAINING AND ENHANC-  
11 ING RESILIENCE.—The study required by paragraph  
12 (1)(A) shall identify institutional, administrative,  
13 legislative, and other barriers to preserving and en-  
14 hancing the military installation resilience of the in-  
15 stallations determined by such study to be vulnerable  
16 to the risks posed by coastal or inland flooding, sea  
17 level rise, or storm surge.

18 (4) REPORTS.—

19 (A) INITIAL REPORT.—Not later than one  
20 year after the date of the enactment of this Act,  
21 the Secretary of Defense shall submit to the  
22 congressional defense committees a report pro-  
23 viding the status of, interim results for, and an  
24 expected completion date for the study required  
25 by paragraph (1)(A).

1 (B) FINAL REPORT.—Not later than two  
2 years after the date of the enactment of this  
3 Act, the Secretary shall submit to the congress-  
4 sional defense committees a final report on the  
5 study required by paragraph (1)(A).

6 (5) DEFINITIONS.—In this subsection:

7 (A) CONGRESSIONAL DEFENSE COMMIT-  
8 TEES; MILITARY INSTALLATION RESILIENCE.—  
9 The terms “congressional defense committees”  
10 and “military installation resilience” have the  
11 meanings given those terms in section 101 of  
12 title 10, United States Code.

13 (B) CONTINUING AUTHORITIES PROGRAM  
14 OF THE CORPS OF ENGINEERS.—The term  
15 “Continuing Authorities Program of the Corps  
16 of Engineers” means any of the programs listed  
17 in section 1030(a) of the Water Resources Re-  
18 form and Development Act of 2014 (33 U.S.C.  
19 400).

20 (c) UPDATE OF UNITED FACILITIES CRITERIA TO  
21 INCLUDE CHANGING ENVIRONMENTAL CONDITION PRO-  
22 JECTIONS.—Section 2805(c) of the John S. McCain Na-  
23 tional Defense Authorization Act for Fiscal Year 2019  
24 (Public Law 115–232) is amended—

1           (1) by striking “Not later than” and inserting  
2 the following:

3           “(1) FISCAL YEAR 2019.—Not later than”;

4           (2) in paragraph (1), as designated by para-  
5 graph (1), by striking “United Facilities Criteria  
6 (UFC) 2-100-01 and UFC 2-100-02” and inserting  
7 “United Facilities Criteria (UFC) 1-200-01 and  
8 UFC 1-200-02”; and

9           (3) by adding at the end the following new  
10 paragraph:

11           “(2) FISCAL YEAR 2020.—Not later than 30  
12 days after the date of the enactment of the National  
13 Defense Authorization Act for Fiscal Year 2020, the  
14 Secretary of Defense shall amend the United Facili-  
15 ties Criteria (UFC) as follows:

16           “(A) To require that installations of the  
17 Department of Defense assess the risks from  
18 extreme weather and related effects and develop  
19 plans to address those risks.

20           “(B) To require in the design of any mili-  
21 tary construction project the use of the fol-  
22 lowing weather projections:

23           “(i) Population projections from the  
24 Bureau of the Census.

1           “(ii) Land use change projections and  
2 weather projections from the National  
3 Academy of Sciences.

4           “(iii) Land use change projections  
5 through the use of land use and land cover  
6 modeling by the United States Geological  
7 Survey.

8           “(iv) Weather projections from the  
9 United States Global Change Research  
10 Program, including in the National Cli-  
11 mate Assessment.

12           “(v) Weather projections developed  
13 through the use of Localized Constructed  
14 Analogs Statistical Downscaling.

15           “(vi) Weather projections developed  
16 through the Earth Exchange program of  
17 the National Aeronautics and Space Ad-  
18 ministration.

19           “(vii) Weather projections included in  
20 the technical report NOS CO-OPS 083 set  
21 forth by the National Oceanic and Atmos-  
22 pheric Administration.

23           “(viii) Any customized, high-resolution  
24 model weather projections developed by the  
25 Strategic Environmental Research and De-

1           velopment Program for specific regions  
2           with the goal of assessing the vulnerability  
3           of installations of the Department.

4           “(C) To require the Secretary to provide  
5           guidance to project designers and master plan-  
6           ners on how to use weather projections.

7           “(D) To require the use throughout the  
8           Department of the Naval Facilities Engineering  
9           Command Climate Change Installation Adapta-  
10          tion and Resilience planning handbook.”.

## 11           **Subtitle B—Land Conveyances**

### 12           **SEC. 2811. RELEASE OF INTERESTS RETAINED IN CAMP JO-** 13                           **SEPH T. ROBINSON, ARKANSAS, FOR USE OF** 14                           **SUCH LAND AS A VETERANS CEMETERY.**

15           (a) RELEASE OF RETAINED INTERESTS.—

16           (1) IN GENERAL.—With respect to a parcel of  
17           land at Camp Joseph T. Robinson, Arkansas, con-  
18           sisting of approximately 141.52 acres that lies in a  
19           part of section 35, township 3 north, range 12 west,  
20           Pulaski County, Arkansas, and comprising a portion  
21           of the property conveyed by the United States to the  
22           State of Arkansas for training of the National  
23           Guard and for other military purposes pursuant to  
24           “An Act authorizing the transfer of part of Camp  
25           Joseph T. Robinson to the State of Arkansas”, ap-

1 proved June 30, 1950 (64 Stat. 311, chapter 429),  
2 the Secretary of the Army may release the terms  
3 and conditions imposed, and reversionary interests  
4 retained, by the United States under section 2 of  
5 such Act, and the right to reenter and use the prop-  
6 erty retained by the United States under section 3  
7 of such Act.

8 (2) IMPACT ON OTHER RIGHTS OR INTER-  
9 ESTS.—The release of terms and conditions and re-  
10 tained interests under paragraph (1) with respect to  
11 the parcel described in such paragraph shall not be  
12 construed to alter the rights or interests retained by  
13 the United States with respect to the remainder of  
14 the real property conveyed to the State of Arkansas  
15 under the Act described in such paragraph.

16 (b) INSTRUMENT OF RELEASE AND DESCRIPTION OF  
17 PROPERTY.—

18 (1) IN GENERAL.—The Secretary of the Army  
19 may execute and file in the appropriate office a deed  
20 of release, amended deed, or other appropriate in-  
21 strument reflecting the release of terms and condi-  
22 tions and retained interests under subsection (a).

23 (2) LEGAL DESCRIPTION.—The exact acreage  
24 and legal description of the property described in

1 subsection (a) shall be determined by a survey satis-  
2 factory to the Secretary of the Army.

3 (c) CONDITIONS ON RELEASE AND REVERSIONARY  
4 INTEREST.—

5 (1) EXPANSION OF VETERANS CEMETERY AND  
6 REVERSIONARY INTEREST.—

7 (A) EXPANSION OF VETERANS CEME-  
8 TERY.—The State of Arkansas may use the  
9 parcel of land described in subsection (a)(1)  
10 only for the expansion of the Arkansas State  
11 Veterans Cemetery.

12 (B) REVERSIONARY INTEREST.—If the  
13 Secretary of the Army determines at any time  
14 that the parcel of land described in subsection  
15 (a)(1) is not being used in accordance with the  
16 purpose specified in subparagraph (A), all right,  
17 title, and interest in and to the land, including  
18 any improvements thereto, shall, at the option  
19 of the Secretary, revert to and become the prop-  
20 erty of the United States, and the United  
21 States shall have the right of immediate entry  
22 onto such parcel.

23 (2) ADDITIONAL TERMS AND CONDITIONS.—  
24 The Secretary of the Army may require in the in-  
25 strument of release such additional terms and condi-

1 tions in connection with the release of terms and  
2 conditions and retained interests under subsection  
3 (a) as the Secretary considers appropriate to protect  
4 the interests of the United States.

5 (d) PAYMENT OF ADMINISTRATIVE COSTS.—

6 (1) PAYMENT REQUIRED.—

7 (A) IN GENERAL.—The Secretary of the  
8 Army may require the State of Arkansas to  
9 cover costs to be incurred by the Secretary, or  
10 to reimburse the Secretary for costs incurred by  
11 the Secretary, to carry out the release of terms  
12 and conditions and retained interests under  
13 subsection (a), including survey costs, costs re-  
14 lated to environmental documentation, and  
15 other administrative costs related to the release.

16 (B) REFUND OF AMOUNTS.—If amounts  
17 paid to the Secretary by the State of Arkansas  
18 in advance under subparagraph (A) exceed the  
19 costs actually incurred by the Secretary to carry  
20 out the release, the Secretary shall refund the  
21 excess amount to the State.

22 (2) TREATMENT OF AMOUNTS RECEIVED.—

23 Amounts received under paragraph (1) as reim-  
24 bursement for costs incurred by the Secretary to  
25 carry out the release of terms and conditions and re-

1       tained interests under subsection (a) shall be cred-  
2       ited to the fund or account that was used to cover  
3       the costs incurred by the Secretary in carrying out  
4       the release. Amounts so credited shall be merged  
5       with amounts in such fund or account and shall be  
6       available for the same purposes, and subject to the  
7       same conditions and limitations, as amounts in such  
8       fund or account.

9   **SEC. 2812. TRANSFER OF ADMINISTRATIVE JURISDICTION**  
10                   **OVER CERTAIN PARCELS OF FEDERAL LAND**  
11                   **IN ARLINGTON, VIRGINIA.**

12       (a) TRANSFER TO THE SECRETARY OF THE ARMY.—

13               (1) TRANSFER.—Administrative jurisdiction  
14       over the parcel of Federal land described in para-  
15       graph (2) is transferred from the Secretary of the  
16       Interior to the Secretary of the Army.

17               (2) DESCRIPTION OF LAND.—The parcel of  
18       Federal land referred to in paragraph (1) is the ap-  
19       proximately 16.09-acre parcel of land in Arlington,  
20       Virginia, as depicted on the map entitled “Arlington  
21       National Cemetery, Memorial Ave–NPS Parcel” and  
22       dated February 11, 2019.

23       (b) TRANSFER TO THE SECRETARY OF THE INTE-  
24       RIOR.—

1           (1) TRANSFER.—Administrative jurisdiction  
2 over the parcel of Federal land described in para-  
3 graph (2) is transferred from the Secretary of the  
4 Army to the Secretary of the Interior.

5           (2) DESCRIPTION OF LAND.—The parcel of  
6 Federal land referred to in paragraph (1) is the ap-  
7 proximately 1.04-acre parcel of land in Arlington,  
8 Virginia, as depicted on the map entitled “Arlington  
9 National Cemetery–Chaffee NPS Land Swap” and  
10 dated October 31, 2018.

11          (c) LAND SURVEYS.—The exact acreage and legal de-  
12 scription of a parcel of Federal land described in sub-  
13 section (a)(2) or (b)(2) shall be determined by a survey  
14 satisfactory to the Secretary of the Army and the Sec-  
15 retary of the Interior.

16          (d) AUTHORITY TO CORRECT ERRORS.—The Sec-  
17 retary of the Army and the Secretary of the Interior may  
18 correct any clerical or typographical error in a map de-  
19 scribed in subsection (a)(2) or (b)(2).

20          (e) TERMS AND CONDITIONS.—

21           (1) NO REIMBURSEMENT OR CONSIDER-  
22 ATION.—A transfer by subsection (a)(1) or (b)(1)  
23 shall be without reimbursement or consideration.

24           (2) CONTINUED RECREATIONAL ACCESS.—The  
25 use of a bicycle trail or recreational access within a

1 parcel of Federal land described in subsection (a)(2)  
2 or (b)(2) in which the use or access is authorized be-  
3 fore the date of enactment of this Act shall be al-  
4 lowed to continue after the transfer of the applicable  
5 parcel of Federal land by subsection (a)(1) or (b)(1).

6 (3) MANAGEMENT OF PARCEL TRANSFERRED  
7 TO SECRETARY OF THE ARMY.—The parcel of Fed-  
8 eral land transferred to the Secretary of the Army  
9 by section (a)(1) shall be administered by the Sec-  
10 retary of the Army—

11 (A) as part of Arlington National Ceme-  
12 tery; and

13 (B) in accordance with applicable law, in-  
14 cluding—

15 (i) regulations; and

16 (ii) section 2409 of title 38, United  
17 States Code.

18 (4) MANAGEMENT OF PARCEL TRANSFERRED  
19 TO SECRETARY OF THE INTERIOR.—The parcel of  
20 Federal land transferred to the Secretary of the In-  
21 terior by subsection (b)(1) shall be—

22 (A) included within the boundary of Ar-  
23 lington House, The Robert E. Lee Memorial;  
24 and

1 (B) administered by the Secretary of the  
2 Interior—

3 (i) as part of the memorial referred to  
4 in subparagraph (A); and

5 (ii) in accordance with applicable law  
6 (including regulations).

7 **SEC. 2813. MODIFICATION OF REQUIREMENTS RELATING**  
8 **TO LAND ACQUISITION IN ARLINGTON COUN-**  
9 **TY, VIRGINIA.**

10 Section 2829A of the National Defense Authorization  
11 Act for Fiscal Year 2017 (Public Law 114–328; 130 Stat.  
12 2728) is amended—

13 (1) in subsection (a)—

14 (A) in paragraph (2)—

15 (i) in subparagraph (A)—

16 (I) by striking “to remove” and  
17 inserting “if existing County utilities  
18 in the Southgate Road right of way  
19 are permitted to remain in accordance  
20 with a mutually agreed upon utility  
21 easement, to remove”

22 (II) by striking “through a re-  
23 alignment” and inserting “through—  
24 “(i) a realignment”;

1 (III) in clause (i), as designated  
2 by subclause (I), by striking “and” at  
3 the end and inserting “or”; and

4 (IV) by adding at the end the fol-  
5 lowing new clause:

6 “(ii) the replacement of Southgate  
7 Road with a new access road to Joint Base  
8 Myer-Henderson Hall; and”;

9 (ii) in subparagraph (B), by striking  
10 the period at the end and inserting “in ac-  
11 cordance with this section and applicable  
12 Federal, Commonwealth, and County road  
13 right of way engineering standards and re-  
14 quirements.”;

15 (B) by amending paragraph (3) to read as  
16 follows:

17 “(3) CONSIDERATION.—

18 “(A) IN GENERAL.—The Secretary shall  
19 expend amounts up to fair market value consid-  
20 eration for the interests in land acquired under  
21 this subsection as such value is determined by  
22 an independent appraisal process in accordance  
23 with the Uniform Relocation Assistance and  
24 Real Property Acquisition Policies Act of 1970  
25 (42 U.S.C. 4601 et seq.).

1 “(B) IN-KIND CONSIDERATION.—

2 “(i) IN GENERAL.—Any substitute or  
3 replacement facilities provided as in-kind  
4 consideration to replace existing Common-  
5 wealth or County roadways under this sub-  
6 section shall—

7 “(I) be conveyed in fee simple ab-  
8 solute with no encumbrances or re-  
9 strictions unless otherwise agreed by  
10 the Commonwealth or the County;

11 “(II) comply with applicable  
12 Commonwealth or County road right  
13 of way engineering standards and re-  
14 quirements; and

15 “(III) with respect to any sub-  
16 stitute facility provided for the re-  
17 alignment of Columbia Pike—

18 “(aa) include a right-of-way  
19 profile (including constructed  
20 roadway, sidewalks, bicycle trails,  
21 multi-use trails, buffers, etc.) of  
22 not less than 92 feet in width;  
23 and

24 “(bb) ensure that, if a vehi-  
25 cle or equipment tunnel under

1 Columbia Pike is determined by  
2 the Secretary to be necessary,  
3 there is a depth of not less than  
4 10 feet between the top of the  
5 tunnel and the surface of the  
6 roadway.

7 “(ii) DIFFERENCE IN FAIR MARKET  
8 VALUE.—The Commonwealth and the  
9 County shall be entitled to monetary com-  
10 pensation in an amount equal to the dif-  
11 ference in the fair market value of any  
12 property acquired under this subsection  
13 and any property provided as in-kind con-  
14 sideration under this subparagraph for  
15 such acquired property, which shall be ap-  
16 praised—

17 “(I) as if such properties were to  
18 be made available as surplus; and

19 “(II) as determined by an inde-  
20 pendent appraisal process in accord-  
21 ance with the Uniform Relocation As-  
22 sistance and Real Property Acquisi-  
23 tion Policies Act of 1970 (42 U.S.C.  
24 4601 et seq.).”;

1           (2) in subsection (c), by striking “appraisals ac-  
2           ceptable to the Secretary” and inserting “an inde-  
3           pendent appraisal process in accordance with the  
4           Uniform Relocation Assistance and Real Property  
5           Acquisition Policies Act of 1970 (42 U.S.C. 4601 et  
6           seq.)”; and

7           (3) in subsection (d), by striking “, in consulta-  
8           tion with the Commonwealth and the County where  
9           practicable” and inserting “the Commonwealth, and  
10          the County”.

11 **SEC. 2814. WHITE SANDS MISSILE RANGE LAND ENHANCE-**  
12 **MENTS.**

13          (a) DEFINITIONS.—In this section:

14           (1) MAP.—The term “Map” means the map en-  
15           titled “White Sands National Park Proposed Bound-  
16           ary Revision & Transfer of Lands Between National  
17           Park Service & Department of the Army”, numbered  
18           142/136,271, and dated February 14, 2017.

19           (2) MILITARY MUNITIONS.—The term “military  
20           munitions” has the meaning given the term in sec-  
21           tion 101(e) of title 10, United States Code.

22           (3) MISSILE RANGE.—The term “missile  
23           range” means the White Sands Missile Range, New  
24           Mexico, administered by the Secretary of the Army.

1           (4) MONUMENT.—The term “Monument”  
2 means the White Sands National Monument, New  
3 Mexico, established by Presidential Proclamation  
4 No. 2025 (54 U.S.C. 320301 note), dated January  
5 18, 1933, and administered by the Secretary.

6           (5) MUNITIONS DEBRIS.—The term “munitions  
7 debris” has the meaning given the term in volume  
8 of the Department of Defense Manual Number  
9 6055.09-M entitled “DoD Ammunitions and Explo-  
10 sives Safety Standards” and dated February 29,  
11 2008 (as in effect on the date of enactment of this  
12 Act).

13           (6) PARK.—The term “Park” means the White  
14 Sands National Park established by subsection  
15 (b)(2)(A).

16           (7) PUBLIC LAND ORDER.—The term “Public  
17 Land Order” means Public Land Order 833, dated  
18 May 21, 1952 (17 Fed. Reg. 4822).

19           (8) SECRETARY.—The term “Secretary” means  
20 the Secretary of the Interior.

21           (9) STATE.—The term “State” means the State  
22 of New Mexico.

23           (b) WHITE SANDS NATIONAL PARK.—

24           (1) FINDINGS.—Congress finds that—

1 (A) White Sands National Monument was  
2 established on January 18, 1933, by President  
3 Herbert Hoover under chapter 3203 of title 54,  
4 United States Code (commonly known as the  
5 “Antiquities Act of 1906”);

6 (B) President Hoover proclaimed that the  
7 Monument was established “for the preserva-  
8 tion of the white sands and additional features  
9 of scenic, scientific, and educational interest”;

10 (C) the Monument was expanded by Presi-  
11 dents Roosevelt, Eisenhower, Carter, and Clin-  
12 ton in 1934, 1942, 1953, 1978, and 1996, re-  
13 spectively;

14 (D) the Monument contains a substantially  
15 more diverse set of nationally significant histor-  
16 ical, archaeological, scientific, and natural re-  
17 sources than were known of at the time the  
18 Monument was established, including a number  
19 of recent discoveries;

20 (E) the Monument is recognized as a  
21 major unit of the National Park System with  
22 extraordinary values enjoyed by more visitors  
23 each year since 1995 than any other unit in the  
24 State;

1 (F) the Monument contributes significantly  
2 to the local economy by attracting tourists; and

3 (G) designation of the Monument as a na-  
4 tional park would increase public recognition of  
5 the diverse array of nationally significant re-  
6 sources at the Monument and visitation to the  
7 unit.

8 (2) ESTABLISHMENT OF WHITE SANDS NA-  
9 TIONAL PARK.—

10 (A) ESTABLISHMENT.—To protect, pre-  
11 serve, and restore its scenic, scientific, edu-  
12 cational, natural, geological, historical, cultural,  
13 archaeological, paleontological, hydrological,  
14 fish, wildlife, and recreational values and to en-  
15 hance visitor experiences, there is established in  
16 the State the White Sands National Park as a  
17 unit of the National Park System.

18 (B) ABOLISHMENT OF WHITE SANDS NA-  
19 TIONAL MONUMENT.—

20 (i) ABOLISHMENT.—Due to the estab-  
21 lishment of the Park, the Monument is  
22 abolished.

23 (ii) INCORPORATION.—The land and  
24 interests in land that comprise the Monu-

1           ment are incorporated in, and shall be con-  
2           sidered to be part of, the Park.

3           (C) REFERENCES.—Any reference in a  
4           law, map, regulation, document, paper, or other  
5           record of the United States to the “White  
6           Sands National Monument” shall be considered  
7           to be a reference to the “White Sands National  
8           Park”.

9           (D) AVAILABILITY OF FUNDS.—Any funds  
10          available for the Monument shall be available  
11          for the Park.

12          (E) ADMINISTRATION.—The Secretary  
13          shall administer the Park in accordance with—

14                 (i) this subsection; and

15                 (ii) the laws generally applicable to  
16                 units of the National Park System, includ-  
17                 ing section 100101(a), chapter 1003, sec-  
18                 tions 100751(a), 100752, 100753, and  
19                 102101, and chapter 3201 of title 54,  
20                 United States Code.

21          (F) WORLD HERITAGE LIST NOMINA-  
22          TION.—

23                 (i) COUNTY CONCURRENCE.—The  
24                 Secretary shall not submit a nomination  
25                 for the Park to be included on the World

1 Heritage List of the United Nations Edu-  
2 cational, Scientific and Cultural Organiza-  
3 tion unless each county in which the Park  
4 is located concurs in the nomination.

5 (ii) ARMY NOTIFICATION.—Before  
6 submitting a nomination for the Park to be  
7 included on the World Heritage List of the  
8 United Nations Educational, Scientific and  
9 Cultural Organization, the Secretary shall  
10 notify the Secretary of the Army of the in-  
11 tent of the Secretary to nominate the  
12 Park.

13 (G) EFFECT.—Nothing in this paragraph  
14 affects—

15 (i) valid existing rights (including  
16 water rights);

17 (ii) permits or contracts issued by the  
18 Monument;

19 (iii) existing agreements, including  
20 agreements with the Department of De-  
21 fense;

22 (iv) the jurisdiction of the Department  
23 of Defense regarding the restricted air-  
24 space above the Park; or

1 (v) the airshed classification of the  
2 Park under the Clean Air Act (42 U.S.C.  
3 7401 et seq.).

4 (c) MODIFICATION OF BOUNDARIES OF WHITE  
5 SANDS NATIONAL PARK AND WHITE SANDS MISSILE  
6 RANGE.—

7 (1) TRANSFERS OF ADMINISTRATIVE JURISDIC-  
8 TION.—

9 (A) TRANSFER OF ADMINISTRATIVE JURIS-  
10 DICTION TO THE SECRETARY.—

11 (i) IN GENERAL.—Administrative ju-  
12 risdiction over the land described in clause  
13 (ii) is transferred from the Secretary of the  
14 Army to the Secretary.

15 (ii) DESCRIPTION OF LAND.—The  
16 land referred to in clause (i) is—

17 (I) the approximately 2,826 acres  
18 of land identified as “To NPS, lands  
19 inside current boundary” on the Map;  
20 and

21 (II) the approximately 5,766  
22 acres of land identified as “To NPS,  
23 new additions” on the Map.

24 (B) TRANSFER OF ADMINISTRATIVE JURIS-  
25 DICTION TO THE SECRETARY OF THE ARMY.—

1 (i) IN GENERAL.—Administrative ju-  
2 risdiction over the land described in clause  
3 (ii) is transferred from the Secretary to  
4 the Secretary of the Army.

5 (ii) DESCRIPTION OF LAND.—The  
6 land referred to in clause (i) is the ap-  
7 proximately 3,737 acres of land identified  
8 as “To DOA” on the Map.

9 (2) BOUNDARY MODIFICATIONS.—

10 (A) PARK.—

11 (i) IN GENERAL.—The boundary of  
12 the Park is revised to reflect the boundary  
13 depicted on the Map.

14 (ii) MAP.—

15 (I) IN GENERAL.—The Secretary,  
16 in coordination with the Secretary of  
17 the Army, shall prepare and keep on  
18 file for public inspection in the appro-  
19 priate office of the Secretary a map  
20 and a legal description of the revised  
21 boundary of the Park.

22 (II) EFFECT.—The map and  
23 legal description under subclause (I)  
24 shall have the same force and effect  
25 as if included in this section, except

1                   that the Secretary may correct clerical  
2                   and typographical errors in the map  
3                   and legal description.

4                   (iii) BOUNDARY SURVEY.—As soon as  
5                   practicable after the date of the establish-  
6                   ment of the Park and subject to the avail-  
7                   ability of funds, the Secretary shall com-  
8                   plete an official boundary survey of the  
9                   Park.

10                  (B) MISSILE RANGE.—

11                   (i) IN GENERAL.—The boundary of  
12                   the missile range and the Public Land  
13                   Order are modified to exclude the land  
14                   transferred to the Secretary under para-  
15                   graph (1)(A) and to include the land  
16                   transferred to the Secretary of the Army  
17                   under paragraph (1)(B).

18                   (ii) MAP.—The Secretary shall pre-  
19                   pare a map and legal description depicting  
20                   the revised boundary of the missile range.

21                  (C) CONFORMING AMENDMENT.—Section  
22                  2854 of Public Law 104–201 (54 U.S.C.  
23                  320301 note) is repealed.

24                  (3) ADMINISTRATION.—

1 (A) PARK.—The Secretary shall admin-  
2 ister the land transferred under paragraph  
3 (1)(A) in accordance with laws (including regu-  
4 lations) applicable to the Park.

5 (B) MISSILE RANGE.—Subject to subpara-  
6 graph (C), the Secretary of the Army shall ad-  
7 minister the land transferred to the Secretary  
8 of the Army under paragraph (1)(B) as part of  
9 the missile range.

10 (C) INFRASTRUCTURE; RESOURCE MAN-  
11 AGEMENT.—

12 (i) RANGE ROAD 7.—

13 (I) INFRASTRUCTURE MANAGE-  
14 MENT.—To the maximum extent prac-  
15 ticable, in planning, constructing, and  
16 managing infrastructure on the land  
17 described in subclause (III), the Sec-  
18 retary of the Army shall apply low-im-  
19 pact development techniques and  
20 strategies to prevent impacts within  
21 the missile range and the Park from  
22 stormwater runoff from the land de-  
23 scribed in that subclause.

24 (II) RESOURCE MANAGEMENT.—

25 The Secretary of the Army shall—

1 (aa) manage the land de-  
2 scribed in subclause (III) in a  
3 manner consistent with the pro-  
4 tection of natural and cultural re-  
5 sources within the missile range  
6 and the Park and in accordance  
7 with section 101(a)(1)(B) of the  
8 Sikes Act (16 U.S.C.  
9 670a(a)(1)(B)), division A of  
10 subtitle III of title 54, United  
11 States Code, and the Native  
12 American Graves Protection and  
13 Repatriation Act (25 U.S.C.  
14 3001 et seq.); and

15 (bb) include the land de-  
16 scribed in subclause (III) in the  
17 integrated natural and cultural  
18 resource management plan for  
19 the missile range.

20 (III) DESCRIPTION OF LAND.—

21 The land referred to in subclauses (I)  
22 and (II) is the land that is transferred  
23 to the administrative jurisdiction of  
24 the Secretary of the Army under

1 paragraph (1)(B) and located in the  
2 area east of Range Road 7 in—

3 (aa) T. 17 S., R. 5 E., sec.

4 31;

5 (bb) T. 18 S., R. 5 E.; and

6 (cc) T. 19 S., R. 5 E., sec.

7 5.

8 (ii) FENCE.—

9 (I) IN GENERAL.—The Secretary  
10 of the Army shall continue to allow  
11 the Secretary to maintain the fence  
12 shown on the Map until such time as  
13 the Secretary determines that the  
14 fence is unnecessary for the manage-  
15 ment of the Park.

16 (II) REMOVAL.—If the Secretary  
17 determines that the fence is unneces-  
18 sary for the management of the Park  
19 under subclause (I), the Secretary  
20 shall promptly remove the fence at the  
21 expense of the Department of the In-  
22 terior.

23 (D) RESEARCH.—The Secretary of the  
24 Army and the Secretary may enter into an  
25 agreement to allow the Secretary to conduct

1 certain research in the area identified as “Co-  
2 operative Use Research Area” on the Map.

3 (E) MILITARY MUNITIONS AND MUNITIONS  
4 DEBRIS.—

5 (i) RESPONSE ACTION.—With respect  
6 to any Federal liability, the Secretary of  
7 the Army shall remain responsible for any  
8 response action addressing military muni-  
9 tions or munitions debris on the land  
10 transferred under paragraph (1)(A) to the  
11 same extent as on the day before the date  
12 of enactment of this Act.

13 (ii) INVESTIGATION OF MILITARY MU-  
14 NITIONS AND MUNITIONS DEBRIS.—

15 (I) IN GENERAL.—The Secretary  
16 may request that the Secretary of the  
17 Army conduct 1 or more investiga-  
18 tions of military munitions or muni-  
19 tions debris on any land transferred  
20 under paragraph (1)(A).

21 (II) ACCESS.—The Secretary  
22 shall give access to the Secretary of  
23 the Army to the land covered by a re-  
24 quest under subclause (I) for the pur-

1 poses of conducting the 1 or more in-  
 2 vestigations under that subclause.

3 (III) LIMITATION.—An investiga-  
 4 tion conducted under this clause shall  
 5 be subject to available appropriations.

6 (iii) APPLICABLE LAW.—Any activities  
 7 undertaken under this subparagraph shall  
 8 be carried out in accordance with—

9 (I) the Comprehensive Environ-  
 10 mental Response, Compensation, and  
 11 Liability Act of 1980 (42 U.S.C. 9601  
 12 et seq.);

13 (II) the purposes for which the  
 14 Park was established; and

15 (III) any other applicable law.

## 16 **Subtitle C—Other Matters**

### 17 **SEC. 2821. EQUAL TREATMENT OF INSURED DEPOSITORY** 18 **INSTITUTIONS AND CREDIT UNIONS OPER-** 19 **ATING ON MILITARY INSTALLATIONS.**

20 Section 2667 of title 10, United States Code, is  
 21 amended by adding at the end the following:

22 “(1) TREATMENT OF INSURED DEPOSITORY INSTITU-  
 23 TIONS.—(1) Each covered insured depository institution  
 24 operating on a military installation within the continental  
 25 United States may be allotted space or leased land on the

1 military installation without charge for rent or services in  
2 the same manner as a credit union organized under State  
3 law or a Federal credit union under section 124 of the  
4 Federal Credit Union Act (12 U.S.C. 1770) if space is  
5 available.

6       “(2) Each covered insured depository institution,  
7 credit union organized under State law, and Federal credit  
8 union operating on a military installation within the conti-  
9 nental United States shall be treated equally with respect  
10 to policies of the Department of Defense governing the  
11 financial terms of leases, logistical support, services, and  
12 utilities.

13       “(3) The Secretary concerned shall not be required  
14 to provide no-cost office space or a no-cost land lease to  
15 any covered insured depository institution, credit union or-  
16 ganized under State law, or Federal credit union.

17       “(4) In this subsection:

18               “(A) The term ‘covered insured depository in-  
19 stitution’ means an insured depository institution  
20 that meets the requirements applicable to a credit  
21 union organized under State law or a Federal credit  
22 union under section 124 of the Federal Credit Union  
23 Act (12 U.S.C. 1770). The depositors of an insured  
24 depository institution shall be considered members

1 for purposes of the application of this subparagraph  
2 to that section.

3 “(B) The term ‘Federal credit union’ has the  
4 meaning given the term in section 101 of the Fed-  
5 eral Credit Union Act (12 U.S.C. 1752).

6 “(C) The term ‘insured depository institution’  
7 has the meaning given the term in section 3 of the  
8 Federal Deposit Insurance Act (12 U.S.C. 1813).”.

9 **SEC. 2822. EXPANSION OF TEMPORARY AUTHORITY FOR**  
10 **ACCEPTANCE AND USE OF CONTRIBUTIONS**  
11 **FOR CERTAIN CONSTRUCTION, MAINTEN-**  
12 **NANCE, AND REPAIR PROJECTS MUTUALLY**  
13 **BENEFICIAL TO THE DEPARTMENT OF DE-**  
14 **FENSE AND KUWAIT MILITARY FORCES.**

15 (a) EXPANSION.—Section 2804 of the Military Con-  
16 struction Authorization Act for Fiscal Year 2016 (10  
17 U.S.C. 2350j note) is amended—

18 (1) in subsection (a)—

19 (A) by striking “government of Kuwait”  
20 and inserting “Government of Kuwait and the  
21 Government of the Republic of Korea”; and

22 (B) by striking “Kuwait military forces”  
23 and inserting “the military forces of the appli-  
24 cable contributing country”;

1           (2) in subsection (b), by inserting “for contribu-  
2           tions from the contributing country” after “Sec-  
3           retary of Defense”;

4           (3) in subsection (c), by striking “government  
5           of Kuwait” and inserting “government of the con-  
6           tributing country”; and

7           (4) in subsection (e)—

8                 (A) in paragraph (1), by striking “govern-  
9                 ment of Kuwait” and inserting “government of  
10                the contributing country”; and

11               (B) in paragraph (2)—

12                   (i) in subparagraph (A), by striking  
13                   “Kuwait military forces” and inserting  
14                   “military forces of the contributing coun-  
15                   try”; and

16                   (ii) in subparagraph (C), by striking  
17                   “Kuwait military forces” and inserting  
18                   “the military forces of the contributing  
19                   country”.

20           (b) CONFORMING AMENDMENT.—The heading of  
21           such section is amended to read as follows:

1 **“SEC. 2804. TEMPORARY AUTHORITY FOR ACCEPTANCE**  
2 **AND USE OF CONTRIBUTIONS FOR CERTAIN**  
3 **CONSTRUCTION, MAINTENANCE, AND REPAIR**  
4 **PROJECTS MUTUALLY BENEFICIAL TO THE**  
5 **DEPARTMENT OF DEFENSE AND THE MILI-**  
6 **TARY FORCES OF KUWAIT AND THE REPUB-**  
7 **LIC OF KOREA.”.**

8 **SEC. 2823. DESIGNATION OF SUMPTER SMITH JOINT NA-**  
9 **TIONAL GUARD BASE.**

10 (a) DESIGNATION.—The Sumpter Smith Air Na-  
11 tional Guard Base in Birmingham, Alabama, shall after  
12 the date of the enactment of this Act be known and des-  
13 igned as the “Sumpter Smith Joint National Guard  
14 Base”.

15 (b) REFERENCE.—Any reference in any law, regula-  
16 tion, map, document, paper, or other record of the United  
17 States to the installation referred to in subsection (a) shall  
18 be considered to be a reference to the Sumpter Smith  
19 Joint National Guard Base.

20 **SEC. 2824. PROHIBITION ON USE OF FUNDS TO PRIVATIZE**  
21 **TEMPORARY LODGING ON INSTALLATIONS**  
22 **OF DEPARTMENT OF DEFENSE.**

23 No funds may be authorized to be appropriated to  
24 the Department of Defense for fiscal year 2020 to pri-  
25 vate temporary lodging on installations of the Depart-  
26 ment.

1 **SEC. 2825. PILOT PROGRAM TO EXTEND SERVICE LIFE OF**  
2 **ROADS AND RUNWAYS UNDER THE JURISDIC-**  
3 **TION OF THE SECRETARIES OF THE MILI-**  
4 **TARY DEPARTMENTS.**

5 (a) PILOT PROGRAM AUTHORIZED.—Each Secretary  
6 of a military department may carry out a pilot program  
7 to design, build, and test technologies and innovative pave-  
8 ment materials in order to extend the service life of roads  
9 and runways under the jurisdiction of the Secretary con-  
10 cerned.

11 (b) SCOPE.—A pilot program under subsection (a)  
12 shall include the following:

13 (1) The design, testing, and assembly of tech-  
14 nologies and systems suitable for pavement applica-  
15 tions.

16 (2) Research, development, and testing of new  
17 pavement materials for use in different geographic  
18 areas in the United States.

19 (3) The design and procurement of platforms  
20 and equipment to test the performance, cost, feasi-  
21 bility, and effectiveness of the technologies, systems,  
22 and materials described in paragraphs (1) and (2).

23 (c) AWARD OF CONTRACTS OR GRANTS.—

24 (1) IN GENERAL.—Each Secretary of a military  
25 department may carry out a pilot program under  
26 subsection (a) through the award of contracts or

1 grants for the designing, building, or testing of tech-  
2 nologies or innovative pavement materials under the  
3 pilot program.

4 (2) MERIT-BASED SELECTION.—Any award of a  
5 contract or grant under a pilot program under sub-  
6 section (a) shall be made using merit-based selection  
7 procedures.

8 (d) REPORT.—

9 (1) IN GENERAL.—Not later than two years  
10 after the commencement of a pilot program under  
11 subsection (a), the Secretary of the military depart-  
12 ment concerned shall submit to the congressional de-  
13 fense committees a report on the pilot program.

14 (2) CONTENTS.—Each report under paragraph  
15 (1) with respect to a pilot program shall include the  
16 following:

17 (A) An assessment of the effectiveness of  
18 activities under the pilot program in improving  
19 the service life of roads and runways under the  
20 jurisdiction of the Secretary concerned.

21 (B) An analysis of the potential lifetime  
22 cost savings and reduction in energy demands  
23 associated with the extended service life of such  
24 roads and runways.

1 (e) TERMINATION OF AUTHORITY.—Each pilot pro-  
 2 gram under subsection (a) shall terminate on September  
 3 30, 2024.

4 **TITLE XXIX—OVERSEAS CONTIN-**  
 5 **GENY OPERATIONS MILI-**  
 6 **TARY CONSTRUCTION**

7 **SEC. 2901. AUTHORIZED ARMY CONSTRUCTION AND LAND**  
 8 **ACQUISITION PROJECTS.**

9 The Secretary of the Army may acquire real property  
 10 and carry out the military construction projects for the  
 11 installations outside the United States, and in the  
 12 amounts, set forth in the following table:

**Army: Outside the United States**

Country	Location	Amount
Cuba .....	Guantanamo Bay .....	\$33,800,000
Worldwide Unspecified .....	Unspecified Worldwide Locations .....	\$42,200,000

13 **SEC. 2902. AUTHORIZED NAVY CONSTRUCTION AND LAND**  
 14 **ACQUISITION PROJECTS.**

15 The Secretary of the Navy may acquire real property  
 16 and carry out the military construction projects for the  
 17 installations outside the United States, and in the  
 18 amounts, set forth in the following table:

**Navy: Outside the United States**

Country	Location	Amount
Spain .....	Rota .....	\$69,570,000

1 **SEC. 2903. AUTHORIZED AIR FORCE CONSTRUCTION AND**  
 2 **LAND ACQUISITION PROJECTS.**

3 The Secretary of the Air Force may acquire real  
 4 property and carry out the military construction projects  
 5 for the installations outside the United States, and in the  
 6 amounts, set forth in the following table:

**Air Force: Outside the United States**

Country	Location	Amount
Iceland .....	Keflavik .....	\$57,000,000
Spain .....	Moron .....	\$8,500,000
Worldwide Unspecified .....	Unspecified Worldwide Locations .....	\$175,000,000

7 **SEC. 2904. AUTHORIZED DEFENSE AGENCIES CONSTRUCTION AND LAND ACQUISITION PROJECTS.**

8  
 9 The Secretary of Defense may acquire real property  
 10 and carry out the military construction projects for the  
 11 installations outside the United States, and in the  
 12 amounts, set forth in the following table:

**Defense Agencies: Outside the United States**

Country	Location	Amount
Germany .....	Gemersheim .....	\$46,000,000

13 **SEC. 2905. DISASTER RECOVERY PROJECTS.**

14 (a) NAVY.—The Secretary of the Navy may acquire  
 15 real property and carry out military construction projects  
 16 inside the United States relating to disaster recovery for  
 17 the locations, and in the amounts, set forth in the fol-  
 18 lowing table:

**Navy: Inside the United States**

State	Location	Amount
North Carolina .....	Camp Lejeune .....	\$861,587,000
	Marine Corps Air Station Cherry Point .....	\$64,561,000
Unspecified .....	Zulu .....	\$50,000,000

1 (b) AIR FORCE.—The Secretary of the Air Force may  
 2 acquire real property and carry out military construction  
 3 projects inside the United States relating to disaster re-  
 4 covery for the locations, and in the amounts, set forth in  
 5 the following table:

**Air Force: Inside the United States**

State	Location	Amount
Florida .....	Tyndall Air Force Base .....	\$1,278,700,000
Unspecified .....	Zulu .....	\$247,000,000

6 (c) ARMY NATIONAL GUARD.—The Secretary of the  
 7 Army may acquire real property and carry out military  
 8 construction projects inside the United States relating to  
 9 disaster recovery for the locations, and in the amounts,  
 10 set forth in the following table:

**Army National Guard: Inside the United States**

State	Location	Amount
Florida .....	Panama City .....	\$25,000,000
North Carolina .....	MTA Fort Fisher .....	\$25,000,000

11 (d) DEFENSE-WIDE.—The Secretary of Defense may  
 12 acquire real property and carry out military construction  
 13 projects inside the United States relating to disaster re-  
 14 covery for the locations, and in the amounts, set forth in  
 15 the following table:

**Defense-wide: Inside the United States**

<b>State</b>	<b>Location</b>	<b>Amount</b>
North Carolina .....	Camp Lejeune—Defense Health Agency .....	\$45,313,000
	Camp Lejeune—SOCOM .....	\$30,000,000

1 **SEC. 2906. REPLENISHMENT OF CERTAIN MILITARY CON-**  
2 **STRUCTIONS FUNDS.**

3 (a) IN GENERAL.—Of the amount authorized to be  
4 appropriated for fiscal year 2020 by section 2905 and  
5 available as specified in the funding table in section 4602,  
6 \$3,600,000,000 shall be available for replenishment of  
7 funds that were authorized to be appropriated by military  
8 construction authorization Acts for fiscal years before fis-  
9 cal year 2020 for military construction projects authorized  
10 by such Acts, but were used instead for military construc-  
11 tion projects authorized by section 2808 of title 10, United  
12 States Code, in connection with the national emergency  
13 along the southern land border of the United States de-  
14 clared in 2019 pursuant to the National Emergencies Act  
15 (50 U.S.C. 1601 et seq.).

16 (b) REPLENISHMENT BY TRANSFER.—

17 (1) IN GENERAL.—Any amounts available  
18 under subsection (a) that are used for replenishment  
19 of funds as described in that subsection shall be  
20 transferred to the account that was the source of  
21 such funds.

1           (2) INAPPLICABILITY TOWARD TRANSFER LIM-  
2           TATIONS.—Any transfer of amounts under this sub-  
3           section shall not count toward any limitation on  
4           transfer of Department of Defense funds in section  
5           1001 or 1512 or any other limitation on transfer of  
6           Department of funds in law.

7           (3) SUNSET OF AUTHORITY.—The authority to  
8           make transfers under this subsection shall terminate  
9           on September 30, 2020.

10          (c) USE OF FUNDS.—

11           (1) IN GENERAL.—Amounts transferred under  
12           subsection (b) for replenishment of funds as de-  
13           scribed in subsection (a) may be used only for mili-  
14           tary construction projects for which such funds were  
15           originally authorized in a military construction au-  
16           thorization Act described in subsection (a).

17           (2) NO INCREASE IN AUTHORIZED AMOUNT OF  
18           PROJECTS.—The total amount of funds available for  
19           a military construction project described in para-  
20           graph (1) may not exceed the current amount au-  
21           thorized for such project by applicable military con-  
22           struction authorization Acts (including this Act). A  
23           replenishment of funds under this section for a mili-  
24           tary construction project shall not operate to in-

1       crease the authorized amount of the project or the  
2       amount authorized to be available for the project.

3   **SEC. 2907. AUTHORIZATION OF APPROPRIATIONS.**

4       Funds are hereby authorized to be appropriated for  
5   fiscal years beginning after September 30, 2019, for the  
6   military construction projects outside the United States  
7   authorized by this title as specified in the funding table  
8   in section 4602.

9   **TITLE XXX—MILITARY HOUSING**  
10       **PRIVATIZATION REFORM**

11   **SEC. 3001. DEFINITIONS.**

12       (a) IN GENERAL.—In this title:

13           (1) LANDLORD.—The term “landlord” has the  
14       meaning given that term in section 2871 of title 10,  
15       United States Code, as amended by subsection (b).

16           (2) PRIVATIZED MILITARY HOUSING.—The  
17       term “privatized military housing” means housing  
18       provided under subchapter IV of chapter 169 of title  
19       10, United States Code.

20       (b) TITLE 10.—Section 2871 of title 10, United  
21   States Code, is amended—

22           (1) by redesignating paragraphs (7) and (8) as  
23       paragraphs (9) and (11), respectively;

24           (2) by inserting after paragraph (6) the fol-  
25       lowing new paragraphs:

1           “(7) The term ‘incentive fees’ means any  
2 amounts payable to a landlord for meeting or ex-  
3 ceeding performance metrics as specified in a con-  
4 tract with the Department of Defense.

5           “(8) The term ‘landlord’ means an eligible enti-  
6 ty or lessor who owns, manages, or is otherwise re-  
7 sponsible for a housing unit under this subchapter.”;  
8 and

9           (3) by inserting after paragraph (9), as redesign-  
10 nated by paragraph (1) of this subsection, the fol-  
11 lowing new paragraph:

12           “(10) The term ‘tenant’ means a member of the  
13 armed forces, including a reserve component thereof,  
14 or a family member of a member of the armed forces  
15 who resides at a housing unit under this sub-  
16 chapter.”.

17           **Subtitle A—Accountability and**  
18                                   **Oversight**

19           **SEC. 3011. TENANT BILL OF RIGHTS FOR PRIVATIZED MILI-**  
20                                   **TARY HOUSING.**

21           (a) IN GENERAL.—Subchapter IV of chapter 169 of  
22 title 10, United States Code, is amended by adding at the  
23 end the following new section:

1 **“§ 2887. Tenant Bill of Rights**

2 “(a) IN GENERAL.—(1) The Secretary of Defense, in  
3 coordination with the Secretary of each military depart-  
4 ment, shall develop a document known as the ‘Tenant Bill  
5 of Rights’ for tenants of housing units under this sub-  
6 chapter.

7 “(2) At a minimum, the document developed under  
8 paragraph (1) shall contain the right of each tenant as  
9 follows:

10 “(A) To reside in a home and community that  
11 meets health and environmental standards estab-  
12 lished by the Secretary of Defense.

13 “(B) To reside in a home that has working fix-  
14 tures, appliances, and utilities and reside in a com-  
15 munity with well-maintained common areas and  
16 amenity spaces.

17 “(C) To report inadequate housing standards or  
18 deficits in habitability to the landlord, chain of com-  
19 mand, and housing management office without fear  
20 of reprisal.

21 “(D) With respect to the housing management  
22 office of the installation of the Department at which  
23 the housing unit is located—

24 “(i) to use such office as an advocate relat-  
25 ing to such housing unit; and

1           “(ii) to receive advice and support from  
2           such office relating to such housing unit.

3           “(E) To receive property management services  
4           provided by a landlord that meet or exceed industry  
5           standards and that are performed by professionally  
6           trained, responsive, and courteous customer service  
7           and maintenance staff.

8           “(F) To have multiple, convenient methods to  
9           communicate directly with the landlord and mainte-  
10          nance staff, and to receive honest, straightforward,  
11          and responsive communications at all times.

12          “(G) With respect to repairs—

13                 “(i) to prompt and professional repairs;

14                 “(ii) to be informed of the required time  
15                 frame for those repairs when a maintenance re-  
16                 quest is submitted; and

17                 “(iii) to prompt relocation into suitable  
18                 lodging or other housing at no cost to the ten-  
19                 ant until the repairs are completed or relocation  
20                 to an alternative residence on the installation or  
21                 within the surrounding local community at no  
22                 cost to the tenant.

23          “(H) To enter into a dispute resolution process  
24          under section 2891 of this title concerning disputes  
25          over repairs, damage claims, and rental payments to

1 be resolved by a neutral decision maker, with any  
2 decision in favor of the tenant to include a reduction  
3 in rent owed to the landlord to be paid or credited  
4 to the tenant.

5 “(I) To withhold basic allowance for housing  
6 (including for any dependents of the tenant in the  
7 tenant’s household) under section 403 of title 37, or  
8 any pay of the tenant subject to allotment described  
9 in section 2882(c) of this title, if the tenant is en-  
10 gaged in a dispute under subparagraph (H) until a  
11 decision in the matter is made.

12 “(J) To be fully briefed by the landlord on all  
13 rights and responsibilities associated with tenancy  
14 prior to signing a lease and receive a 30-day fol-  
15 lowup to review these responsibilities.

16 “(K) To have sufficient time and opportunity to  
17 prepare and be present for move-in and move-out in-  
18 spections, including an opportunity to obtain nec-  
19 essary paperwork.

20 “(L) To have reasonable, advance notice of any  
21 entrance by a landlord into the housing unit, except  
22 in the case of an emergency.

23 “(M) To have clearly defined rental terms in  
24 the lease agreement.

1           “(N) To not pay non-refundable fees or have  
2 application of rent credits arbitrarily held.

3           “(O) To have universal procedures for housing  
4 under this subchapter that are the same for all in-  
5 stallations of the Department.

6           “(P) To file claims against a landlord.

7           “(3) The document developed under paragraph (1)  
8 shall contain the responsibilities of each tenant as follows:

9           “(A) To report maintenance or quality of life  
10 issues to the landlord in a timely manner.

11           “(B) To maintain standard upkeep of the hous-  
12 ing unit as recommended by the housing manage-  
13 ment office.

14           “(b) DISTRIBUTION.—The Secretary shall ensure  
15 that the Tenant Bill of Rights under this section is at-  
16 tached to each lease agreement for housing under this sub-  
17 chapter.

18           “(c) REPORT AND PUBLICATION.—(1) Beginning in  
19 fiscal year 2021, and biennially thereafter, the Secretary  
20 of Defense, in coordination with the Secretary of each  
21 military department, shall submit to the congressional de-  
22 fense committees, as part of the annual budget submission  
23 of the President for that year under section 1105(a) of  
24 title 31, United States Code, the Tenant Bill of Rights  
25 under this section.

1       “(2) Upon submitting the Tenant Bill of Rights to  
2 the congressional defense committees under paragraph  
3 (1), the Secretary of Defense shall publish the Tenant Bill  
4 of Rights on a publicly available Internet website of the  
5 Department of Defense.”.

6       (b) CLERICAL AMENDMENT.—The table of sections  
7 at the beginning of such subchapter is amended by insert-  
8 ing after the item relating to section 2886 the following  
9 new item:

“2887. Tenant Bill of Rights.”.

10       (c) MILITARY DEPARTMENT PLANS.—Not later than  
11 February 1, 2020, the Secretary of each military depart-  
12 ment shall submit to the congressional defense committees  
13 a plan for the implementation by that military department  
14 of section 2887 of title 10, United States Code, as added  
15 by subsection (a).

16 **SEC. 3012. DESIGNATION OF CHIEF HOUSING OFFICER FOR**  
17 **PRIVATIZED MILITARY HOUSING.**

18       (a) IN GENERAL.—Subchapter IV of chapter 169 of  
19 title 10, United States Code, is amended by inserting after  
20 section 2872a the following new section:

21 **“§ 2872b. Chief Housing Officer**

22       “(a) IN GENERAL.—(1) The Secretary of Defense  
23 shall designate, from among officials of the Department  
24 of Defense who are appointed by the President with the

1 advice and consent of the Senate, a Chief Housing Officer  
2 who shall oversee housing provided under this subchapter.

3 “(2) The official designated under paragraph (1) may  
4 have duties in addition to the duties of the Chief Housing  
5 Officer under this section.

6 “(b) DUTIES.—The Chief Housing Officer shall over-  
7 see all aspects of the provision of housing under this sub-  
8 chapter, including by carrying out the following:

9 “(1) Creation and standardization of policies  
10 and processes.

11 “(2) Oversight of the administration of lease  
12 agreements by the Secretary of each military depart-  
13 ment.

14 “(3) Audits of the provision of housing under  
15 this subchapter, including audits of lease agreements  
16 and other contracts, maintenance work orders, and  
17 incentive fee payments and general audits in the  
18 conduct of oversight.

19 “(c) OFFICE AND STAFF.—(1) The Chief Housing  
20 Officer shall establish and maintain an office staffed by  
21 military personnel and employees of the Department of  
22 Defense whose skills and capabilities will assist the Chief  
23 Housing Officer in the exercise of the duties of the Chief  
24 Housing Officer under subsection (b). Such office shall be  
25 known as the ‘Office of the Chief Housing Officer’.

1 “(2) Personnel and employees staffed under para-  
 2 graph (1) shall include legal counsel, engineers, and audi-  
 3 tors.”.

4 (b) CLERICAL AMENDMENT.—The table of sections  
 5 at the beginning of such subchapter is amended by insert-  
 6 ing after the item relating to section 2872a the following  
 7 new item:

“2872b. Chief Housing Officer.”.

8 (c) REPORT.—Not later than 60 days after the date  
 9 of the enactment of this Act, the Secretary of Defense  
 10 shall submit to the congressional defense committees a re-  
 11 port on—

12 (1) the designation of a Chief Housing Officer  
 13 under section 2872b of title 10, United States Code,  
 14 as added by subsection (a); and

15 (2) the organizational structure, funding,  
 16 human resources, and other relevant requirements of  
 17 the Office of the Chief Housing Officer under such  
 18 section.

19 **SEC. 3013. COMMAND OVERSIGHT OF MILITARY**  
 20 **PRIVATIZED HOUSING AS ELEMENT OF PER-**  
 21 **FORMANCE EVALUATIONS.**

22 (a) EVALUATIONS IN GENERAL.—Each Secretary of  
 23 a military department shall ensure that the performance  
 24 evaluations of any individual described in subsection (b)  
 25 under the jurisdiction of such Secretary indicates the ex-

1 tent to which such individual has or has not exercised ef-  
2 fective oversight and leadership in the following:

3 (1) Improving conditions of privatized housing  
4 under the military privatized housing initiative  
5 under subchapter IV of chapter 169, United States  
6 Code.

7 (2) Addressing concerns with respect to such  
8 housing of members of the Armed Forces and their  
9 families who reside in such housing on an installa-  
10 tion of the military department concerned.

11 (b) COVERED INDIVIDUALS.—The individuals de-  
12 scribed in this subsection are as follows:

13 (1) The commander of an installation of a mili-  
14 tary department at which on-installation housing is  
15 managed by a landlord under the military privatized  
16 housing initiative referred to in subsection (a)(1).

17 (2) Each officer or senior enlisted member of  
18 the Armed Forces at an installation described in  
19 paragraph (1) whose duties include facilities or  
20 housing management at such installation.

21 (3) Any other officer or enlisted member of the  
22 Armed Forces (whether or not at an installation de-  
23 scribed in paragraph (1)) as specified by the Sec-  
24 retary of the military department concerned for pur-  
25 poses of this section.

1 **SEC. 3014. CONSIDERATION OF HISTORY OF LANDLORD IN**  
2 **CONTRACT RENEWAL PROCESS FOR**  
3 **PRIVATIZED MILITARY HOUSING.**

4 (a) IN GENERAL.—Subchapter IV of chapter 169 of  
5 title 10, United States Code, is amended by inserting after  
6 section 2874 the following new section:

7 **“§ 2874a. Consideration of history of landlord in con-**  
8 **tract renewal process**

9 “(a) IN GENERAL.—In deciding whether to enter into  
10 or renew a contract with a landlord under this subchapter,  
11 the Secretary of Defense shall develop a standard process  
12 for determining past performance for purposes of inform-  
13 ing future decisions regarding the award of such a con-  
14 tract.

15 “(b) ELEMENTS OF PROCESS.—The process devel-  
16 oped under subsection (a) shall include, at a minimum,  
17 consideration of the following:

18 “(1) Any history of the landlord of providing  
19 substandard housing.

20 “(2) The recommendation of the commander of  
21 the installation at which the housing is to be located  
22 under the contract.

23 “(3) The recommendation of the commander of  
24 any installation at which the landlord has provided  
25 housing under this subchapter.”.

1 (b) CLERICAL AMENDMENT.—The table of sections  
 2 at the beginning of such subchapter is amended by insert-  
 3 ing after the item relating to section 2874 the following  
 4 new item:

“2874a. Consideration of history of landlord in contract renewal process.”.

5 **SEC. 3015. TREATMENT OF BREACH OF CONTRACT FOR**  
 6 **PRIVATIZED MILITARY HOUSING.**

7 (a) IN GENERAL.—Subchapter IV of chapter 169 of  
 8 title 10, United States Code, is amended by inserting after  
 9 section 2874a the following new section:

10 **“§ 2874b. Treatment of breach of contract**

11 “Notwithstanding any other provision of law, the Sec-  
 12 retary of Defense—

13 “(1) shall withhold amounts to be paid under a  
 14 contract under this subchapter if the other party to  
 15 the contract is found to have engaged in a material  
 16 breach of the contract;

17 “(2) shall rescind a contract under this sub-  
 18 chapter if the other party to the contract, based on  
 19 credible evidence, fails to cure such breach within 90  
 20 days; and

21 “(3) shall not permit the other party to a con-  
 22 tract rescinded under paragraph (2) to enter into  
 23 new contracts with the Secretary under this sub-  
 24 chapter or undertake expansions under existing con-  
 25 tracts with the Secretary under this subchapter.”.

1 (b) CLERICAL AMENDMENT.—The table of sections  
2 at the beginning of such subchapter is amended by insert-  
3 ing after the item relating to section 2874a the following  
4 new item:

“2874b. Treatment of breach of contract.”.

5 **SEC. 3016. UNIFORM CODE OF BASIC STANDARDS FOR**  
6 **PRIVATIZED MILITARY HOUSING AND PLAN**  
7 **TO CONDUCT INSPECTIONS AND ASSESS-**  
8 **MENTS.**

9 (a) UNIFORM CODE.—The Secretary of Defense shall  
10 establish a uniform code of basic housing standards for  
11 safety, comfort, and habitability for privatized military  
12 housing.

13 (b) PLAN.—

14 (1) IN GENERAL.—Not later than February 1,  
15 2020, the Secretary of Defense shall submit to the  
16 congressional defense committees a plan of the De-  
17 partment of Defense to contract with home inspec-  
18 tors described in subsection (c) to conduct a thor-  
19 ough inspection and assessment of the structural in-  
20 tegrity and habitability of each privatized military  
21 housing unit.

22 (2) INCLUSION OF UNIFORM CODE.—The plan  
23 submitted under paragraph (1) shall include the uni-  
24 form code established under subsection (a).

25 (3) IMPLEMENTATION.—

1           (A) IN GENERAL.—Not later than Feb-  
2 ruary 1, 2021, the Secretary of each military  
3 department shall conduct inspections and as-  
4 sessments of privatized military housing units  
5 under the jurisdiction of the Secretary con-  
6 cerned pursuant to the plan submitted under  
7 paragraph (1) to identify issues and ensure  
8 compliance with applicable housing codes, in-  
9 cluding the uniform code established under sub-  
10 section (a).

11           (B) REPORT.—Not later than March 1,  
12 2021, the Secretary of Defense shall submit to  
13 the congressional defense committees a report  
14 on the findings of the inspections and assess-  
15 ments conducted under subparagraph (A).

16           (c) HOME INSPECTORS DESCRIBED.—A home inspec-  
17 tor described in this subsection is a home inspector that  
18 is not affiliated with—

19           (1) the Federal Government; or

20           (2) an individual or entity who owns or man-  
21 ages a privatized military housing unit.

1 **SEC. 3017. REPEAL OF SUPPLEMENTAL PAYMENTS TO LES-**  
2 **SORS AND REQUIREMENT FOR USE OF**  
3 **FUNDS IN CONNECTION WITH THE MILITARY**  
4 **HOUSING PRIVATIZATION INITIATIVE.**

5 (a) REPEAL.—

6 (1) IN GENERAL.—Section 606 of the John S.  
7 McCain National Defense Authorization Act for Fis-  
8 cal Year 2019 (Public Law 115–232; 132 Stat.  
9 1795; 10 U.S.C. 2871 note) is amended by striking  
10 subsection (a).

11 (2) EFFECTIVE DATE.—The amendment made  
12 by paragraph (1) shall take effect on the date of the  
13 enactment of this Act, and shall apply with respect  
14 to months beginning on or after that date.

15 (b) USE OF FUNDS IN CONNECTION WITH MHPI.—

16 (1) IN GENERAL.—Each month beginning with  
17 the first month after the date of the enactment of  
18 this Act, each Secretary of a military department  
19 shall do the following:

20 (A) PAYMENTS TO LESSORS.—Use funds,  
21 in an amount calculated pursuant to paragraph  
22 (2)(A), for payments to lessors of covered hous-  
23 ing in the manner provided by subsection (a) of  
24 section 606 of the John S. McCain National  
25 Defense Authorization Act for Fiscal Year

1           2019, as in effect on the day before the date of  
2           the enactment of this Act.

3           (B) IMPROVEMENT OF OVERSIGHT AND  
4           MANAGEMENT OF AGREEMENTS.—Use funds, in  
5           an amount calculated pursuant to paragraph  
6           (2)(B), for improvements of the oversight and  
7           management of agreements for MHPI housing  
8           under the jurisdiction of such Secretary.

9           (2) MONTHLY AMOUNTS.—

10          (A) FOR PAYMENTS TO LESSORS.—The  
11          amount calculated for a military department for  
12          a month pursuant to this subparagraph is 2  
13          percent of the aggregate of the amounts cal-  
14          culated under section 403(b)(3)(A)(i) of title  
15          37, United States Code, for covered housing  
16          under the jurisdiction of such department for  
17          such month.

18          (B) FOR IMPROVEMENT OF OVERSIGHT  
19          AND MANAGEMENT OF AGREEMENTS.—The  
20          amount calculated for a military department for  
21          a month pursuant to this subparagraph is 3  
22          percent of the aggregate of the amounts cal-  
23          culated under section 403(b)(3)(A)(i) of title  
24          37, United States Code, for covered housing

1           under the jurisdiction of such department for  
2           such month.

3           (3) IMPROVEMENTS.—Improvements under  
4           paragraph (1)(B) to the oversight and management  
5           of agreements described in that paragraph may in-  
6           clude the following:

7                   (A) Assignment of additional civilian per-  
8                   sonnel to perform oversight and management  
9                   functions with respect to such agreements.

10                   (B) Investment in technological mecha-  
11                   nisms to assist the military department con-  
12                   cerned in overseeing the maintenance and up-  
13                   keep of MHPI housing.

14                   (C) Such additional investment in the over-  
15                   sight and management of such agreements, and  
16                   in overseeing the maintenance and upkeep of  
17                   MHPI housing, as the Secretary of the military  
18                   department concerned considers appropriate.

19           (4) ADDITIONAL PAYMENTS TO LESSORS.—In  
20           any month described in paragraph (1), the Secretary  
21           of a military department may use amounts, in addi-  
22           tion to amounts calculated pursuant to paragraph  
23           (2)(A), for payments to lessors as described in para-  
24           graph (1)(A) if such Secretary provides advance no-  
25           tice of such payments to the Committees on Armed

1 Services of the Senate and the House of Representa-  
2 tives.

3 (5) DEFINITIONS.—In this subsection, the  
4 terms “covered housing” and “MHPI housing” have  
5 the meanings given such terms in section 606(d) of  
6 the John S. McCain National Defense Authorization  
7 Act for Fiscal Year 2019.

8 **SEC. 3018. STANDARD FOR COMMON CREDENTIALS FOR**  
9 **HEALTH AND ENVIRONMENTAL INSPECTORS**  
10 **OF PRIVATIZED MILITARY HOUSING.**

11 (a) IN GENERAL.—Not later than February 1, 2020,  
12 the Secretary of Defense shall submit to the congressional  
13 defense committees a report that contains a standard for  
14 common credentials to be used throughout the Depart-  
15 ment of Defense for all inspectors of health and environ-  
16 mental hazards at privatized military housing units, in-  
17 cluding inspectors contracted by the Department.

18 (b) INCLUSION OF CATEGORIES FOR SPECIFIC ENVI-  
19 RONMENTAL HAZARDS.—The standard submitted under  
20 subsection (a) shall include categories for specific environ-  
21 mental hazards such as lead, mold, and radon.

22 **SEC. 3019. IMPROVEMENT OF PRIVATIZED MILITARY HOUS-**  
23 **ING.**

24 (a) COMPLAINT DATABASE AND FINANCIAL TRANS-  
25 PARENCY.—

1           (1) IN GENERAL.—Subchapter IV of chapter  
2           169 of title 10, United States Code, is amended by  
3           adding at the end the following new sections:

4   **“§ 2888. Complaint database**

5           “(a) DATABASE REQUIRED.—The Secretary of De-  
6           fense shall establish a database that is available to the  
7           public of complaints relating to housing units under this  
8           subchapter.

9           “(b) FILING OF COMPLAINTS.—The Secretary shall  
10          ensure that a tenant of a housing unit under this sub-  
11          chapter may file a complaint relating to such housing unit  
12          for inclusion in the database under subsection (a).

13          “(c) RESPONSE BY LANDLORD.—(1) The Secretary  
14          shall include in any contract with a landlord responsible  
15          for a housing unit under this subchapter a requirement  
16          that the landlord respond to any complaints included in  
17          the database under subsection (a) that relate to the hous-  
18          ing unit.

19          “(2) Any response under paragraph (1) shall be in-  
20          cluded in the database under subsection (a).

21   **“§ 2889. Financial transparency**

22          “(a) PUBLICATION OF DETAILS OF CONTRACTS.—(1)  
23          Not less frequently than annually, the Secretary Defense  
24          shall publish in the Federal Register the financial details

1 of each contract for the management of housing units  
2 under this subchapter.

3 “(2) The financial details published under paragraph  
4 (1) shall include the following:

5 “(A) Base management fees for managing the  
6 housing units.

7 “(B) Incentive fees relating to the housing  
8 units, including details on the following:

9 “(i) Metrics upon which such incentive fees  
10 are paid.

11 “(ii) Whether incentive fees were paid in  
12 full or withheld in part or in full during the  
13 year covered by the publication, and if so, why.

14 “(C) Asset management fees relating to the  
15 housing units.

16 “(D) Preferred return fees relating to the hous-  
17 ing units.

18 “(E) Any deferred fees or other fees relating to  
19 the housing units.

20 “(F) Residual cash flow distributions relating  
21 to the housing units.

22 “(b) ANNUAL FINANCIAL STATEMENTS.—(1) The  
23 Secretary of Defense shall require that each landlord sub-  
24 mit to the Secretary, not less frequently than annually,

1 financial statements equivalent to a 10-K (or successor  
2 form) for—

3 “(A) the landlord; and

4 “(B) each contract entered into between the  
5 landlord and the Department of Defense under this  
6 subchapter.”.

7 (2) CLERICAL AMENDMENT.—The table of sec-  
8 tions at the beginning of such subchapter is amend-  
9 ed by inserting after the item relating to section  
10 2887 the following new items:

“2888. Complaint database.

“2889. Financial transparency.”.

11 (b) ANNUAL REPORTS ON PRIVATIZED MILITARY  
12 HOUSING AND DENIED REQUESTS TO WITHHOLD PAY-  
13 MENTS.—Section 2884 of title 10, United States Code, is  
14 amended by adding at the end the following new sub-  
15 sections:

16 “(d) ANNUAL REPORT ON HOUSING.—(1) Not less  
17 frequently than annually, the Secretary of Defense shall  
18 submit to the congressional defense committees and pub-  
19 lish on a publicly available website of the Department of  
20 Defense a report on housing units under this subchapter,  
21 disaggregated by military installation.

22 “(2) Each report submitted under paragraph (1)  
23 shall include the following:

1           “(A) An assessment of the condition of housing  
2 units under this subchapter based on the average  
3 age of those units and the estimated time until re-  
4 capitalization.

5           “(B) An analysis of complaints of tenants of  
6 such housing units.

7           “(C) An assessment of maintenance response  
8 times and completion of maintenance requests relat-  
9 ing to such housing units.

10           “(D) An assessment of dispute resolution relat-  
11 ing to such housing units.

12           “(E) An assessment of overall customer service  
13 for tenants of such housing units.

14           “(F) A description of the results of any no-no-  
15 tice housing inspections conducted for such housing  
16 units.

17           “(G) The results of any resident surveys con-  
18 ducted with respect to such housing units.

19           “(e) REPORT ON DENIED REQUESTS TO WITHHOLD  
20 PAYMENTS.—Not less frequently than annually, the com-  
21 mander of each military installation shall submit to the  
22 congressional defense committees a report on all requests  
23 that were made by members of the armed forces who are  
24 tenants of housing units under this subchapter to withhold  
25 from the landlord of such unit any basic allowance for

1 housing payable to the member (including for any depend-  
2 ents of the member in the member's household) under sec-  
3 tion 403 of title 37, or any other allotment of pay under  
4 section 2882(c) of this title, and that were denied during  
5 the year covered by the report.”.

6 **SEC. 3020. ACCESS TO MAINTENANCE WORK ORDER SYS-**  
7 **TEM OF LANDLORDS OF PRIVATIZED MILI-**  
8 **TARY HOUSING.**

9 (a) IN GENERAL.—Subchapter IV of chapter 169 of  
10 title 10, United States Code, is amended by adding at the  
11 end the following new section:

12 **“§ 2890. Access to maintenance work order system**

13 “The Secretary of Defense shall require each landlord  
14 that provides housing under this subchapter at an installa-  
15 tion of the Department of Defense to provide access to  
16 the maintenance work order system of such landlord with  
17 respect to such housing to the following:

18 “(1) Personnel of the housing management of-  
19 fice at such installation.

20 “(2) Personnel of the installation and engineer  
21 command or center of the military department con-  
22 cerned.

23 “(3) Such other personnel of the Department of  
24 Defense as the Secretary determines necessary.”.

1 (b) CLERICAL AMENDMENT.—The table of sections  
 2 at the beginning of such subchapter is amended by insert-  
 3 ing after the item relating to section 2889 the following  
 4 new item:

“2890. Access to maintenance work order system.”.

5 **SEC. 3021. ACCESS BY TENANTS OF PRIVATIZED MILITARY**  
 6 **HOUSING TO WORK ORDER SYSTEM OF LAND-**  
 7 **LORD.**

8 The Secretary of Defense shall require that each  
 9 landlord for a privatized military housing unit—

10 (1) have an electronic work order system for all  
 11 work orders for maintenance requests relating to  
 12 such unit; and

13 (2) provide to a tenant of such unit access to  
 14 such system to, at a minimum, track the status and  
 15 progress of work orders for maintenance requests re-  
 16 lating to such unit.

17 **Subtitle B—Prioritizing Families**

18 **SEC. 3031. DISPUTE RESOLUTION PROCESS FOR LAND-**  
 19 **LORD-TENANT DISPUTES REGARDING**  
 20 **PRIVATIZED MILITARY HOUSING AND RE-**  
 21 **QUESTS TO WITHHOLD PAYMENTS.**

22 (a) DISPUTE RESOLUTION AND REQUEST TO WITH-  
 23 HOLD PAYMENT.—

1           (1) IN GENERAL.—Subchapter IV of chapter  
2           169 of title 10, United States Code, is amended by  
3           adding at the end the following new sections:

4   **“§ 2891. Landlord-tenant dispute resolution process**

5           “(a) IN GENERAL.—The Secretary of Defense shall  
6           implement a standardized formal dispute resolution pro-  
7           cess on each military installation with housing units under  
8           this subchapter to ensure the prompt and fair resolution  
9           of landlord-tenant disputes concerning maintenance and  
10          repairs, damage claims, rental payments, move-out  
11          charges, and such other issues relating to such housing  
12          units as the Secretary determines appropriate.

13          “(b) DISPUTE SUBMITTAL.—(1) Each landlord shall  
14          establish a process through which a tenant of a housing  
15          unit under this subchapter may submit a dispute directly  
16          to the landlord through an online or other form.

17          “(2) Not later than 24 hours after receiving a dispute  
18          submittal from a tenant under paragraph (1), the landlord  
19          shall—

20                  “(A) notify the tenant that the submittal has  
21                  been received; and

22                  “(B) transmit a copy of such submittal to the  
23                  housing management office of the installation in  
24                  which the housing unit is located.

1       “(3)(A) Not later than seven days after receiving a  
2 dispute submittal from a tenant under paragraph (1), the  
3 landlord shall—

4           “(i) submit to the tenant a decision regarding  
5 the dispute; and

6           “(ii) transmit a copy of such decision to the  
7 housing management office.

8       “(B)(i) For purposes of conducting an assessment  
9 necessary to make a decision under subparagraph (A) with  
10 respect to a housing unit, the landlord may access the  
11 housing unit at a time and for a duration mutually agreed  
12 upon by the landlord and the tenant.

13       “(ii) The tenant may request that an employee of the  
14 housing management office be present when the landlord  
15 accesses the housing unit of the tenant under clause (i).

16       “(c) APPEALS.—(1) Not later than 30 days after a  
17 tenant receives a decision by a landlord under subsection  
18 (b)(3), the tenant may appeal that decision for review  
19 under subsection (d) by the commander of the military  
20 installation at which the housing unit is located.

21       “(2) Any appeal submitted under paragraph (1) shall  
22 be submitted—

23           “(A) on a standardized form; and

24           “(B) to an address designated by the com-  
25 mander for such purpose.

1           “(3) The Secretary shall ensure that, in preparing an  
2 appeal to the commander under this subsection, a tenant  
3 shall have access to advice and assistance from a military  
4 housing advocate employed by the military department  
5 concerned or a military legal assistance attorney under  
6 section 1044 of this title.

7           “(d) REVIEW PROCESS.—(1) The commander of each  
8 military installation with housing units under this sub-  
9 chapter shall establish a military privatized housing dis-  
10 pute resolution appeals process—

11                 “(A) to review and decide appeals by tenants  
12           under subsection (c) relating to such housing units;  
13           and

14                 “(B) to review and decide requests to withhold  
15           payments under section 2891a of this title

16           “(2)(A) Before making any decision with respect to  
17 an appeal or a request under the process established under  
18 paragraph (1) with respect to a housing unit, the com-  
19 mander shall certify that the commander has solicited rec-  
20 ommendations or information relating to such appeal or  
21 request from the following:

22                 “(i) The chief of the housing management office  
23           of the installation.

24                 “(ii) A representative of the landlord for the  
25           housing unit.

1           “(iii) The tenant filing the appeal or request.

2           “(iv) A qualified judge advocate of the military  
3 department concerned.

4           “(v) The civil engineer for the installation.

5           “(3)(A) The commander shall make a decision with  
6 respect to an appeal or a request under the process estab-  
7 lished under paragraph (1) not later than 30 days after  
8 the appeal or request has been made.

9           “(B) A commander may take longer than the 30-day  
10 period set forth under subparagraph (A) to make a deci-  
11 sion described in such subparagraph in limited cir-  
12 cumstances as determined by the Secretary of Defense,  
13 but in no case shall such a decision be made more than  
14 60 days after the appeal or request has been made.

15          “(4) Decisions by a commander under this subsection  
16 shall be final.

17          “(e) RULE OF CONSTRUCTION ON USE OF OTHER  
18 ADJUDICATIVE BODIES.—Nothing in this section or any  
19 other provision of law shall be construed to prohibit a ten-  
20 ant of a housing unit under this subchapter from pursuing  
21 a claim against a landlord in any adjudicative body with  
22 jurisdiction over the housing unit or the claim.

23 **“§ 2891a. Request to withhold payments**

24          “(a) IN GENERAL.—A member of the armed forces  
25 or family member of a member of the armed forces who

1 is a tenant of a housing unit under this subchapter may  
2 submit to the commander of the installation of the Depart-  
3 ment of Defense at which the member is stationed a re-  
4 quest to withhold all or part of any basic allowance for  
5 housing payable to the member (including for any depend-  
6 ents of the member in the member's household) under sec-  
7 tion 403 of title 37, or all or part of any pay of a tenant  
8 subject to allotment as described in section 2882(c) of this  
9 title, for lease of the unit during the period in which—

10           “(1) the landlord responsible for such housing  
11           unit has not met maintenance guidelines and proce-  
12           dures established by the landlord or the Department  
13           of Defense, either through contract or otherwise; or

14           “(2) such housing unit is uninhabitable accord-  
15           ing to State and local law for the jurisdiction in  
16           which the housing unit is located.

17           “(b) PROCEDURES.—(1) Upon the filing of a request  
18 by a tenant under subsection (a)—

19           “(A) under such procedures as the Secretary of  
20           Defense shall establish, the Defense Finance and  
21           Accounting Service (DFAS) or such other appro-  
22           priate office or offices of the Department of Defense  
23           as the Secretary shall specify for purposes of such  
24           procedures, shall tentatively grant the request and

1 hold any amounts withheld in escrow with notice to  
2 the landlord; and

3 “(B) the housing management office of the in-  
4 stallation in which the housing unit is located shall,  
5 not later than 15 days after the date on which the  
6 request was submitted to the commander of the in-  
7 stallation, complete an investigation that includes an  
8 inspection conducted by housing inspectors that are  
9 certified at the State and local level.

10 “(2) If the commander agrees with a request by a  
11 tenant under subsection (a) with respect to a housing unit,  
12 the housing management office shall notify the landlord  
13 responsible for such unit of the issues described in sub-  
14 section (a) that require remediation in accordance with the  
15 requirements of the Department of Defense or State or  
16 local law.

17 “(c) REMEDIATION.—In accordance with procedures  
18 established under subsection (b)(1)(A) for the withholding  
19 of any basic allowance for housing or other allotment pay  
20 under this section, if the landlord responsible for the hous-  
21 ing unit does not remediate the issues described in sub-  
22 section (a) within a reasonable period of time established  
23 by the commander of the installation for the remediation  
24 of the issues, the amount payable to the landlord for such

1 unit shall be reduced by 10 percent for each period of five  
2 days during which the issues are not remediated.

3 “(d) DISCLOSURE OF RIGHTS.—(1) Each housing  
4 management office of an installation of the Department  
5 of Defense shall disclose in writing to each new tenant  
6 of a housing unit under this subchapter, upon the signing  
7 of the lease for the housing unit, their rights with respect  
8 to the housing unit and the procedures under this section  
9 for submitting a request to the landlord responsible for  
10 the housing unit.

11 “(2) The Secretary of Defense shall ensure that each  
12 lease entered into with a tenant for a housing unit under  
13 this subchapter clearly expresses in a separate addendum  
14 the procedures under this section for submitting a request  
15 to the landlord responsible for the housing unit.”.

16 (2) CLERICAL AMENDMENT.—The table of sec-  
17 tions at the beginning of such subchapter is amend-  
18 ed by adding at the end the following new items:

“2891. Landlord-tenant dispute resolution process.

“2891a. Request to withhold payments.”.

19 (b) MODIFICATION OF DEFINITION OF MILITARY  
20 LEGAL ASSISTANCE.—Section 1044(d)(3)(B) of such title  
21 is amended by striking “and 1565b(a)(1)(A)” and insert-  
22 ing “1565b(a)(1)(A), and 2891(c)(3)”.

23 (c) TIMING OF ESTABLISHMENT.—Not later than  
24 180 days after the date of the enactment of this Act, the

1 Secretary of Defense shall establish the dispute resolution  
2 process required under section 2891 of title 10, United  
3 States Code, as added by subsection (a).

4 (d) AGREEMENT BY LANDLORDS.—

5 (1) IN GENERAL.—Not later than February 1,  
6 2020, the Secretary of Defense shall seek agreement  
7 from all landlords to participate in the dispute reso-  
8 lution process required under section 2891 of such  
9 title.

10 (2) SUBMITTAL OF LIST TO CONGRESS.—Not  
11 later than March 1, 2020, the Secretary shall submit  
12 to the congressional defense committees a list of all  
13 landlords who did not agree under paragraph (1) to  
14 participate in the dispute resolution process under  
15 section 2891 of such title.

16 (3) CONSIDERATION OF LACK OF AGREEMENT  
17 IN FUTURE CONTRACTS.—The Secretary shall in-  
18 clude any lack of agreement under paragraph (1) as  
19 past performance considered under section 2888 of  
20 such title with respect to entering into or renewing  
21 any future contracts.

22 **SEC. 3032. SUSPENSION OF RESIDENT ENERGY CONSERVA-**  
23 **TION PROGRAM.**

24 (a) IN GENERAL.—The Secretary of Defense shall  
25 suspend the initiative of the Department of Defense

1 known as the “Resident Energy Conservation Program”  
2 and instruct the Secretary of each military department to  
3 suspend any program carried out by such Secretary that  
4 measures the energy usage for each military housing unit  
5 on an installation of the Department of Defense.

6 (b) TERM OF SUSPENSION.—The suspension under  
7 subsection (a) shall remain in effect until the Secretary  
8 of Defense certifies to the congressional defense commit-  
9 tees that—

10 (1) 100 percent of military housing on an in-  
11 stallation of the Department of Defense is individ-  
12 ually metered; and

13 (2) energy audits conducted by an independent  
14 entity, or entities, confirm that such housing is indi-  
15 vidually metered.

16 (c) TERMINATION.—If the Secretary of Defense is  
17 unable to make the certification under subsection (b), each  
18 program described in subsection (a) shall be terminated  
19 on the date that is two years after the date of the enact-  
20 ment this Act.

1 **SEC. 3033. ACCESS BY TENANTS TO HISTORICAL MAINTENANCE INFORMATION FOR PRIVATIZED MILITARY HOUSING.**

2  
3  
4 (a) IN GENERAL.—Subchapter IV of chapter 169 of  
5 title 10, United States Code, is amended by adding at the  
6 end the following new section:

7 **“§ 2892. Access by tenants to historical maintenance information**

8  
9 “The Secretary shall require each landlord that pro-  
10 vides housing under this subchapter at an installation of  
11 the Department of Defense to provide a prospective tenant  
12 of such housing, before the tenant moves in, all informa-  
13 tion regarding maintenance conducted with respect to that  
14 housing unit for the previous 10 years.”.

15 (b) CLERICAL AMENDMENT.—The table of sections  
16 at the beginning of such subchapter is amended by insert-  
17 ing after the item relating to section 2891 the following  
18 new item:

“2892. Access by tenants to historical maintenance information.”.

19 **SEC. 3034. PROHIBITION ON USE OF CALL CENTERS OUTSIDE THE UNITED STATES FOR MAINTENANCE CALLS BY TENANTS OF PRIVATIZED MILITARY HOUSING.**

20  
21  
22  
23 (a) IN GENERAL.—Subchapter IV of chapter 169 of  
24 title 10, United States Code, is amended by inserting after  
25 section 2886 the following new section:

1 **“§ 2886a. Prohibiting use of call centers outside the**  
 2 **United States for tenant maintenance**  
 3 **calls**

4 “A landlord responsible for a housing unit under this  
 5 subchapter may not use a call center outside the United  
 6 States for any call from a tenant relating to maintenance  
 7 with respect to the housing unit.”.

8 (b) CLERICAL AMENDMENT.—The table of sections  
 9 at the beginning of such subchapter is amended by insert-  
 10 ing after the item relating to section 2886 the following  
 11 new item:

“2886a. Prohibiting use of call centers outside the United States for tenant  
 maintenance calls.”.

12 (c) EFFECTIVE DATE.—The amendments made by  
 13 this section shall take effect on the date that is one year  
 14 after the date of the enactment of this Act.

15 **SEC. 3035. RADON TESTING FOR PRIVATIZED MILITARY**  
 16 **HOUSING.**

17 (a) REPORT.—Not later than March 1, 2020, the  
 18 Secretary of Defense shall submit to the congressional de-  
 19 fense committees a report identifying the installations of  
 20 the Department of Defense that have privatized military  
 21 housing that should be monitored for radon.

22 (b) INITIAL TESTING.—

23 (1) PROCEDURES.—The Secretary shall estab-  
 24 lish testing procedures for all privatized military

1 housing at installations identified under subsection  
2 (a), whether through regular testing of such housing  
3 or the installation of monitoring equipment, to en-  
4 sure radon levels are below recommended levels es-  
5 tablished by the Environmental Protection Agency.

6 (2) COMPLETION OF TESTING.—Not later than  
7 June 1, 2020, the Secretary shall complete testing  
8 described in paragraph (1) for all privatized military  
9 housing identified under subsection (a).

10 (c) NOTIFICATION REGARDING MITIGATION DE-  
11 VICE.—In the event that a privatized military housing unit  
12 is determined under testing under subsection (b)(2) to  
13 need a radon mitigation device, the Secretary shall notify  
14 the landlord of such unit not later than seven days after  
15 such determination.

16 (d) ANNUAL TESTING.—Not less frequently than an-  
17 nually, the Secretary of each military department shall  
18 certify to the congressional defense committees that radon  
19 testing is being conducted for privatized military housing  
20 at installations identified under subsection (a) under the  
21 jurisdiction of the Secretary concerned, whether through  
22 regular testing of such housing or the installation of moni-  
23 toring equipment.

1 **SEC. 3036. EXPANSION OF WINDOWS COVERED BY RE-**  
2 **QUIREMENT TO USE WINDOW FALL PREVEN-**  
3 **TION DEVICES IN PRIVATIZED MILITARY**  
4 **HOUSING.**

5 Section 2879(c) of title 10, United States Code, is  
6 amended by striking “24 inches” and inserting “42  
7 inches”.

8 **SEC. 3037. REQUIREMENTS RELATING TO MOVE OUT AND**  
9 **MAINTENANCE WITH RESPECT TO**  
10 **PRIVATIZED MILITARY HOUSING.**

11 Not later than 30 days after the date of the enact-  
12 ment of this Act, the Secretary of Defense, in consultation  
13 with the Secretary of each military department, shall—

14 (1) develop a uniform move-out checklist for  
15 tenants of privatized military housing throughout  
16 the Department of Defense to assist the oversight of  
17 such housing by the housing management office of  
18 the installation at which such housing is located;

19 (2) develop a uniform checklist throughout the  
20 Department for the validation by the housing man-  
21 agement office of the completion of all maintenance  
22 work related to health and safety issues at privatized  
23 military housing; and

24 (3) require that all maintenance issues and  
25 work orders related to health and safety issues at  
26 privatized military housing be reported to the com-

1        mander of the installation at which the housing is  
2        located.

3        **Subtitle C—Long-Term Quality**  
4        **Assurance**

5        **SEC. 3041. DEVELOPMENT OF STANDARDIZED DOCUMENTA-**  
6        **TION, TEMPLATES, AND FORMS FOR**  
7        **PRIVATIZED MILITARY HOUSING.**

8        (a) IN GENERAL.—The Secretary of Defense, in co-  
9        ordination with the Secretary of each military department,  
10       shall develop throughout the Department of Defense  
11       standardized documentation, templates, and forms for  
12       privatized military housing.

13       (b) INITIAL GUIDANCE.—Not later than 30 days  
14       after the date of the enactment of this Act, the Secretary  
15       of Defense shall issue guidance to develop the following:

16                (1) Policies and standard operating procedures  
17                of the Department for privatized military housing.

18                (2) A universal lease agreement for privatized  
19                military housing that includes—

20                        (A) the Tenant Bill of Rights under sec-  
21                        tion 2887 of title 10, United States Code; and

22                        (B) any addendum required by the law of  
23                        the State in which the housing unit is located.

24                (3) A standardized operating agreement for  
25        landlords.

1 (c) MILITARY DEPARTMENT PLANS.—Not later than  
2 February 1, 2020, the Secretary of each military depart-  
3 ment shall submit to the congressional defense committees  
4 a plan for the implementation of this section by that mili-  
5 tary department.

6 **SEC. 3042. COUNCIL ON PRIVATIZED MILITARY HOUSING.**

7 (a) IN GENERAL.—The Assistant Secretary con-  
8 cerned shall establish a council (in this section referred  
9 to as the “Council”) to identify and resolve problems with  
10 privatized military housing at installations of the Depart-  
11 ment of Defense under the jurisdiction of the Assistant  
12 Secretary concerned.

13 (b) MEMBERS.—

14 (1) IN GENERAL.—Each Council shall be com-  
15 prised of the Assistant Secretary concerned and the  
16 following members selected by the Assistant Sec-  
17 retary concerned:

18 (A) Not fewer than two civil engineers em-  
19 ployed at an installation under the jurisdiction  
20 of the Assistant Secretary concerned.

21 (B) Not fewer than two chiefs of a housing  
22 management office at such an installation.

23 (C) Not fewer than two commanders of  
24 such an installation.

1           (2) LIMITATION.—In each Council, not more  
2 than two members may be from the same installa-  
3 tion.

4           (3) TERMS.—

5                 (A) TWO YEARS.—The term for a member  
6 of the Council, other than the Assistant Sec-  
7 retary concerned, shall be two years.

8                 (B) LIMITATION ON TERMS.—A member of  
9 the Council, other than the Assistant Secretary  
10 concerned, may serve not more than two terms.

11          (c) DUTIES.—Each Council shall review, at a min-  
12 imum, the following:

13                 (1) Systemic concerns from tenants relating to  
14 privatized military housing under the jurisdiction of  
15 the Assistant Secretary concerned.

16                 (2) Best practices for housing management of-  
17 fices at installations under the jurisdiction of the As-  
18 sistant Secretary concerned.

19                 (3) Best practices for handling installation-wide  
20 maintenance issues.

21          (d) MEETINGS.—Each Council shall meet not less  
22 frequently than quarterly.

23          (e) REPORT.—Not later than 60 days after the first  
24 meeting of the Council, and not later than October 1 of  
25 each year thereafter, the Council shall submit to the Sec-

1 retary of Defense a report on the findings of the Council  
2 during the period covered by the report.

3 (f) ASSISTANT SECRETARY CONCERNED.—The term  
4 “Assistant Secretary concerned” means—

5 (1) with respect to the Army, the Assistant Sec-  
6 retary of the Army for Energy, Installations, and  
7 Environment;

8 (2) with respect to the Navy, the Marine Corps,  
9 and the Coast Guard when it is operating as a serv-  
10 ice in the Department of the Navy, the Assistant  
11 Secretary of the Navy for Energy, Installations, and  
12 Environment; and

13 (3) with respect to the Air Force, the Assistant  
14 Secretary of the Air Force for Energy, Installations,  
15 and Environment.

16 **SEC. 3043. REQUIREMENTS RELATING TO MANAGEMENT OF**  
17 **PRIVATIZED MILITARY HOUSING.**

18 (a) IN GENERAL.—Subchapter IV of chapter 169 of  
19 title 10, United States Code, is amended by inserting after  
20 section 2872b following new section:

21 **“§ 2872c. Requirements relating to management of**  
22 **housing**

23 “(a) IN GENERAL.—The Secretary of Defense shall  
24 ensure that the operating agreement for each installation  
25 of the Department of Defense at which on-base housing

1 is managed by a landlord under this subchapter includes  
2 the requirements set forth in this section relating to such  
3 housing.

4 “(b) REQUIREMENTS FOR INSTALLATION COM-  
5 MANDERS.—The commander of each installation described  
6 in subsection (a) shall do the following:

7 “(1) On an annual basis, review and approve  
8 the mold mitigation plan and pest control plan of  
9 each landlord at such installation.

10 “(2) Use the assigned bio-environmental per-  
11 sonnel or contractor equivalent at such installation  
12 to test for mold, unsafe water conditions, and other  
13 health and safety conditions if requested by the head  
14 of the housing management office of such installa-  
15 tion.

16 “(c) REQUIREMENTS FOR HOUSING MANAGEMENT  
17 OFFICE.—The head of the housing management office of  
18 each installation described in subsection (a) shall, with re-  
19 spect to housing units under this subchapter, do the fol-  
20 lowing:

21 “(1) Conduct physical inspections and approve  
22 the habitability of each vacant housing unit before  
23 the landlord offers the unit available for occupancy.

24 “(2) Conduct physical inspections upon tenant  
25 move out and receive copies of any move out charges

1 that a landlord seeks to collect from an outgoing  
2 tenant.

3 “(3) Establish contact with a tenant regarding  
4 the satisfaction of the tenant with the housing unit  
5 not later than—

6 “(A) 15 days after move-in; and

7 “(B) 60 days after move-in.

8 “(4) Maintain all test results relating to the  
9 health, environmental, and safety condition of a  
10 housing unit and the results of any official housing  
11 inspection for the life of the contract relating to that  
12 housing unit.

13 “(d) REQUIREMENTS FOR LANDLORDS.—The land-  
14 lord of any housing unit under this subchapter at an in-  
15 stallation described in subsection (a) shall do the fol-  
16 lowing:

17 “(1) Disclose to the Secretary of Defense bonus  
18 structures for community managers and regional ex-  
19 ecutives and bonus structures relating to mainte-  
20 nance to minimize the impact of those incentives on  
21 the operating budget of the installation.

22 “(2) With respect to test results relating to the  
23 health and safety condition of the housing unit—

24 “(A) not later than three days after receiv-  
25 ing those results, share those results with the

1           tenant of such unit and submit those results to  
2           the head of the housing management office for  
3           the installation; and

4           “(B) include with any environmental haz-  
5           ard test results a simple guide explaining those  
6           results, preferably citing standards set forth by  
7           the Federal Government relating to environ-  
8           mental hazards.

9           “(3) Conduct a walkthrough inspection before a  
10          prospective tenant signs a lease—

11           “(A) with the prospective tenant; or

12           “(B) if the prospective tenant is not able  
13          to be present for the inspection, with an official  
14          of the housing management office designated by  
15          the prospective tenant to conduct the inspection  
16          on their behalf.

17           “(4) In the event that the housing unit does not  
18          meet minimum health, safety, and welfare standards  
19          set forth in Federal, State, and local law after in-  
20          spection under subsection (c)(1), the landlord shall  
21          remediate any issues and make any appropriate re-  
22          pairs prior to another inspection by the housing  
23          management office under such subsection.

24           “(5) Not conduct any promotional events to  
25          incentivize tenants to fill out maintenance comment

1 cards or satisfaction surveys of any kind without the  
2 approval of the chief of the housing management of-  
3 fice.

4 “(6) Not award an installation of the Depart-  
5 ment or an officer or employee of the Department  
6 a ‘Partner of the Year’ award or similar award.

7 “(7) Not have a tenant agree to any form of  
8 settlement, nondisclosure, or release of liability with-  
9 out—

10 “(A) first notifying the tenant of their  
11 right to assistance from the legal assistance of-  
12 fice at the installation; and

13 “(B) not later than five days before agree-  
14 ing to any such settlement, nondisclosure, or re-  
15 lease of liability, providing a copy of such agree-  
16 ment to the Assistant Secretary of Defense for  
17 Sustainment;

18 “(8) Not change the position of a prospective  
19 tenant on a waiting list for a housing unit or remove  
20 a prospective tenant from the waiting list if the pro-  
21 spective tenant turns down an offer for a housing  
22 unit determined unsatisfactory by the prospective  
23 tenant and confirmed by the housing management  
24 office and the commander of the installation.

1           “(9) Allow, with permission of the tenant as ap-  
2           propriate, employees of the housing management of-  
3           fice and other officers and employees of the Depart-  
4           ment to conduct physical inspections of common  
5           grounds and individual quarters of the housing unit.

6           “(10) Agree to a mechanism under which all or  
7           part of basic allowance for housing payable to the  
8           tenant (including for any dependents of the tenant  
9           in the tenant’s household) under section 403 of title  
10          37, or all or part of any other allotment of pay  
11          under section 2882(c) of this title can be held in es-  
12          crow until—

13                   “(A) any dispute between the tenant and  
14                   the landlord is resolved; and

15                   “(B) the commander of the installation has  
16                   reviewed and decided such dispute.

17          “(11) Ensure that the needs of enrollees in the  
18          Exceptional Family Member Program, or any suc-  
19          cessor program, are considered in assigning prospec-  
20          tive tenants to housing units.

21          “(12) Keep any maintenance work order system  
22          up to date with the latest software, functionality,  
23          and features.



1 **“§ 2872d. Requirements relating to contracts for pro-**  
2 **vision of housing**

3 “(a) IN GENERAL.—The Secretary of each military  
4 department shall include in any contract for a term of  
5 more than 10 years with a landlord for the provision of  
6 housing under this subchapter at an installation under the  
7 jurisdiction of the Secretary concerned the following:

8 “(1) The Secretary concerned may renegotiate  
9 the contract with the landlord not less frequently  
10 than once every five years.

11 “(2) The landlord shall prohibit any employee  
12 of the landlord who commits work order fraud under  
13 the contract, as determined by the Secretary con-  
14 cerned, from doing any work under the contract.

15 “(3) If the landlord fails to or is unable to rem-  
16 edy any health or environmental hazard at a housing  
17 unit under the contract, such failure or inability will  
18 be taken into consideration in determining whether  
19 to pay or withhold all or part of any incentive fees  
20 for which the landlord may be eligible under the con-  
21 tract.

22 “(4) If the landlord is found by the Secretary  
23 concerned to have not maintained the minimum  
24 standards of habitability for a housing unit under  
25 such contract, the landlord shall pay all medical bills  
26 for a tenant of such housing unit that are associated

1 with the conditions of such housing unit that do not  
2 meet such minimum standards.

3 “(5) The landlord shall pay reasonable reloca-  
4 tion costs associated with the permanent relocation  
5 of a tenant from a housing unit of the landlord to  
6 new housing due to health or environmental haz-  
7 ards—

8 “(A) present in the housing unit being va-  
9 cated through no fault of the tenant; and

10 “(B) confirmed by the housing manage-  
11 ment office of the installation as making the  
12 unit uninhabitable.

13 “(6) The landlord shall pay reasonable reloca-  
14 tion costs and actual costs of living, including per  
15 diem, associated with the temporary relocation of a  
16 tenant to new housing due to health or environ-  
17 mental hazards—

18 “(A) present in the housing unit being va-  
19 cated through no fault of the tenant; and

20 “(B) confirmed by the housing manage-  
21 ment office of the installation as making the  
22 unit uninhabitable.

23 “(7) The landlord shall ensure that the mainte-  
24 nance work order system of the landlord (hardware  
25 and software) is up to date, including by —

1           “(A) providing a reliable mechanism  
2 through which a tenant may submit work order  
3 requests through an Internet portal and mobile  
4 application, which shall incorporate the ability  
5 to upload photos, communicate with mainte-  
6 nance personnel, and rate individual service  
7 calls;

8           “(B) allowing real-time access to such sys-  
9 tem by officials of the Department at the instal-  
10 lation, major subordinate command, and serv-  
11 ice-wide levels; and

12           “(C) allowing the work order or mainte-  
13 nance ticket to be closed only once the tenant  
14 and the head of the housing management office  
15 of the installation sign off.

16       “(b) PAYMENT OF ACTUAL COSTS OF LIVING.—The  
17 landlord shall pay actual costs of living under subsection  
18 (a)(6) in connection with a health or environmental hazard  
19 until such time as—

20           “(1)(A) the health or environmental hazard is  
21 remediated;

22           “(B) the housing unit being vacated is deter-  
23 mined to be habitable by the tenant, the housing  
24 management office of the installation, and chain of  
25 command; and

1           “(C) the tenant resumes occupancy of the hous-  
2           ing unit; or

3           “(2) the tenant moves to a new housing unit.”.

4           (b) CLERICAL AMENDMENT.—The table of sections  
5 at the beginning of such subchapter is amended by insert-  
6 ing after the item relating to section 2872c the following  
7 new item:

“2872d. Requirements relating to contracts for provision of housing.”.

8           (c) EFFECTIVE DATE.—Section 2872d of such title,  
9 as added by subsection (a), shall apply to contracts en-  
10 tered into or renewed on and after the date of the enact-  
11 ment of this Act.

12 **SEC. 3045. WITHHOLDING OF INCENTIVE FEES FOR LAND-**  
13 **LORDS OF PRIVATIZED MILITARY HOUSING**  
14 **FOR FAILURE TO REMEDY A HEALTH OR EN-**  
15 **VIRONMENTAL HAZARD.**

16           (a) IN GENERAL.—Subchapter IV of chapter 169 of  
17 title 10, United States Code, is amended by inserting after  
18 section 2874b the following new section:

19 **“§ 2874c. Withholding of incentive fees for landlords**

20           “The Secretary of Defense shall withhold incentive  
21 fees paid to a landlord for failure by the landlord to rem-  
22 edy a health or environmental hazard at a housing unit  
23 under this subchapter, as determined by the Secretary.”.

24           (b) CLERICAL AMENDMENT.—The table of sections  
25 at the beginning of such subchapter is amended by insert-

1 ing after the item relating to section 2874b the following  
 2 new item:

“2874c. Withholding of incentive fees for landlords.”.

3 **SEC. 3046. EXPANSION OF DIRECT HIRE AUTHORITY FOR**  
 4 **DEPARTMENT OF DEFENSE FOR CHILDCARE**  
 5 **SERVICES PROVIDERS FOR DEPARTMENT**  
 6 **CHILD DEVELOPMENT CENTERS TO INCLUDE**  
 7 **DIRECT HIRE AUTHORITY FOR INSTALLA-**  
 8 **TION MILITARY HOUSING OFFICE PER-**  
 9 **SONNEL.**

10 (a) IN GENERAL.—Section 559 of the National De-  
 11 fense Authorization Act for Fiscal Year 2018 (Public Law  
 12 115–91; 131 Stat. 1406; 10 U.S.C. 1792 note) is amend-  
 13 ed—

14 (1) in subsection (a)—

15 (A) in the matter preceding paragraph (1),  
 16 by inserting “, and individuals to fill vacancies  
 17 in installation military housing offices,” after  
 18 “childcare services providers”;

19 (B) in paragraph (1), by inserting “or for  
 20 employees at installation military housing of-  
 21 fices” before the semicolon; and

22 (C) in paragraph (2), by inserting “or for  
 23 installation military housing office employees”  
 24 before the period;

1           (2) by redesignating subsection (f) as sub-  
2           section (g); and

3           (3) by inserting after subsection (e) the fol-  
4           lowing new subsection (f):

5           “(f) INSTALLATION MILITARY HOUSING OFFICE DE-  
6           FINED.—The term ‘installation military housing office’  
7           means any office whose primary function is performing  
8           day-to-day supervision of military housing covered by sub-  
9           chapter IV of chapter 169 of title 10, United States  
10          Code.”.

11          (b) HEADING AND TECHNICAL AMENDMENTS.—

12           (1) HEADING AMENDMENT.—The heading of  
13          such section is amended to read as follows:

14          **“SEC. 599. DIRECT HIRE AUTHORITY FOR DEPARTMENT OF**  
15                           **DEFENSE FOR CHILDCARE SERVICES PRO-**  
16                           **VIDERS FOR DEPARTMENT CHILD DEVELOP-**  
17                           **MENT CENTERS AND INSTALLATION MILI-**  
18                           **TARY HOUSING OFFICES.”.**

19           (2) TECHNICAL AMENDMENT.—Subsection (d)  
20          of such section is amended by striking “Oversight  
21          and Government Reform” and inserting “Oversight  
22          and Reform”.

23          (c) USE OF EXISTING REGULATIONS.—The Sec-  
24          retary of Defense shall use the authority in section 599  
25          of the National Defense Authorization Act for Fiscal Year

1 2018 granted by the amendments made by this section  
2 in a manner consistent with the regulations prescribed for  
3 purposes of such section 599 pursuant to subsection (b)  
4 of such section 599, without the need to prescribe separate  
5 regulations for the use of such authority.

6 **SEC. 3047. PLAN ON ESTABLISHMENT OF DEPARTMENT OF**  
7 **DEFENSE JURISDICTION OVER OFF-BASE**  
8 **PRIVATIZED MILITARY HOUSING.**

9 Not later than 30 days after the date of the enact-  
10 ment of this Act, the Secretary of Defense, in consultation  
11 with the Secretary of each military department, shall sub-  
12 mit to the congressional defense committees a plan to es-  
13 tablish jurisdiction by the Department of Defense, concur-  
14 rently with local community law enforcement, at locations  
15 with privatized military housing that is not located on an  
16 installation of the Department of Defense.

17 **Subtitle D—Other Housing Matters**

18 **SEC. 3051. LEAD-BASED PAINT TESTING AND REPORTING.**

19 (a) ESTABLISHMENT OF DEPARTMENT OF DEFENSE  
20 POLICY ON LEAD TESTING ON MILITARY INSTALLA-  
21 TIONS.—

22 (1) IN GENERAL.—Not later than February 1,  
23 2020, the Secretary of Defense shall establish a pol-  
24 icy under which—

1 (A) a qualified individual may access a  
2 military installation for the purpose of con-  
3 ducting lead testing on the installation, subject  
4 to the approval of the Secretary; and

5 (B) the results of any lead testing con-  
6 ducted on a military installation shall be trans-  
7 mitted—

8 (i) in the case of a military installa-  
9 tion located inside the United States, to—

10 (I) the civil engineer of the in-  
11 stallation;

12 (II) the housing management of-  
13 fice of the installation;

14 (III) the major subordinate com-  
15 mand of the Armed Force with juris-  
16 diction over the installation; and

17 (IV) if required by law, any rel-  
18 evant Federal, State, and local agen-  
19 cies; and

20 (ii) in the case of a military installa-  
21 tion located outside the United States, to  
22 the civil engineer or commander of the in-  
23 stallation who shall transmit those results  
24 to the major subordinate command of the

1           Armed Force with jurisdiction over the in-  
2           stallation.

3           (2) DEFINITIONS.—In this subsection:

4           (A) UNITED STATES.—The term “United  
5           States” has the meaning given such term in  
6           section 101(a)(1) of title 10, United States  
7           Code.

8           (B) QUALIFIED INDIVIDUAL.—The term  
9           “qualified individual” means an individual who  
10          is certified by the Environmental Protection  
11          Agency or by a State as—

- 12                   (i) a lead-based paint inspector; or  
13                   (ii) a lead-based paint risk assessor.

14          (b) ANNUAL REPORTING ON LEAD-BASED PAINT IN  
15          MILITARY HOUSING.—

16           (1) IN GENERAL.—Subchapter III of chapter  
17          169 of title 10, United States Code, is amended by  
18          adding at the end the following new section:

19          “§ 2869a. **Annual reporting on lead-based paint in**  
20                   **military housing**

21           “(a) ANNUAL REPORTS.—

22                   “(1) IN GENERAL.—Not later than February 1  
23                   of each year, the Secretary of Defense shall submit  
24                   to the congressional defense committees a report  
25                   that sets forth, with respect to military housing

1 under the jurisdiction of each Secretary of a military  
2 department for the calendar year preceding the year  
3 in which the report is submitted, the following:

4 “(A) A certification that indicates whether  
5 the military housing under the jurisdiction of  
6 the Secretary concerned is in compliance with  
7 the requirements respecting lead-based paint,  
8 lead-based paint activities, and lead-based paint  
9 hazards described in section 408 of the Toxic  
10 Substances Control Act (15 U.S.C. 2688).

11 “(B) A detailed summary of the data,  
12 disaggregated by military department, used in  
13 making the certification under subparagraph  
14 (A).

15 “(C) The total number of military housing  
16 units under the jurisdiction of the Secretary  
17 concerned that were inspected for lead-based  
18 paint in accordance with the requirements de-  
19 scribed in subparagraph (A).

20 “(D) The total number of military housing  
21 units under the jurisdiction of the Secretary  
22 concerned that were not inspected for lead-  
23 based paint.

24 “(E) The total number of military housing  
25 units that were found to contain lead-based

1 paint in the course of the inspections described  
2 in subparagraph (C).

3 “(F) A description of any abatement ef-  
4 forts with respect to lead-based paint conducted  
5 regarding the military housing units described  
6 in subparagraph (E).

7 “(2) PUBLICATION.—The Secretary of Defense  
8 shall publish each report submitted under paragraph  
9 (1) on a publicly available website of the Depart-  
10 ment of Defense.

11 “(b) MILITARY HOUSING DEFINED.—In this section,  
12 the term ‘military housing’ includes military family hous-  
13 ing and military unaccompanied housing (as such term is  
14 defined in section 2871 of this title).”.

15 (2) CLERICAL AMENDMENT.—The table of sec-  
16 tions at the beginning of such subchapter is amend-  
17 ed by adding at the end the following new item:

“2869a. Annual reporting on lead-based paint in military housing.”.

18 **SEC. 3052. SATISFACTION SURVEY FOR TENANTS OF MILI-**  
19 **TARY HOUSING.**

20 (a) IN GENERAL.—Not later than March 1, 2020, the  
21 Secretary of Defense shall require that each installation  
22 of the Department of Defense use the same satisfaction  
23 survey for tenants of military housing, which shall be an  
24 electronic survey with embedded privacy and security  
25 mechanisms.

1 (b) PRIVACY AND SECURITY MECHANISMS.—The pri-  
2 vacy and security mechanisms used under subsection  
3 (a)—

4 (1) may include a code unique to the tenant to  
5 be surveyed that is sent to the cell phone number of  
6 the tenant and required to be entered to access the  
7 survey; and

8 (2) in the case of housing under subchapter IV  
9 of chapter 169 of title 10, United States Code, shall  
10 ensure that the survey is not shared with the land-  
11 lord of the housing unit until the survey is reviewed  
12 and the results are tallied by an employee of the De-  
13 partment of Defense.

14 **SEC. 3053. INFORMATION ON LEGAL SERVICES PROVIDED**  
15 **TO MEMBERS OF THE ARMED FORCES**  
16 **HARMED BY HEALTH OR ENVIRONMENTAL**  
17 **HAZARDS AT MILITARY HOUSING.**

18 (a) REPORT.—Not later than 90 days after the date  
19 of the enactment of this Act, the Secretary of Defense  
20 shall submit to the congressional defense committees a re-  
21 port on the legal services that the Secretary may provide  
22 to members of the Armed Forces who have been harmed  
23 by a health or environmental hazard while living in mili-  
24 tary housing.

1 (b) AVAILABILITY OF INFORMATION.—The Secretary  
2 of the military department concerned shall make the infor-  
3 mation contained in the report submitted under subsection  
4 (a) available to members of the Armed Forces at all instal-  
5 lations of the Department of Defense in the United States.

6 **SEC. 3054. MITIGATION OF RISKS POSED BY CERTAIN**  
7 **ITEMS IN MILITARY FAMILY HOUSING UNITS.**

8 (a) ANCHORING OF ITEMS BY RESIDENTS.—The Sec-  
9 retary of Defense shall allow a resident of a military fam-  
10 ily housing unit to anchor any furniture, television, or  
11 large appliance to the wall of the unit for purposes of pre-  
12 venting such item from tipping over without incurring a  
13 penalty or obligation to repair the wall upon vacating the  
14 unit.

15 (b) ANCHORING OF ITEMS FOR ALL UNITS.—

16 (1) EXISTING UNITS.—Not later than one year  
17 after the date of the enactment of this Act, the Sec-  
18 retary of Defense shall ensure that all freestanding  
19 chests, door chests, armoires, dressers, entertain-  
20 ment centers, bookcases taller than 27 inches, tele-  
21 visions, and large appliances provided by the Depart-  
22 ment of Defense are securely anchored in each fur-  
23 nished military family housing unit under the juris-  
24 diction of the Department as of the date of the en-  
25 actment of this Act.

1           (2) NEW UNITS.—The Secretary of Defense  
2 shall ensure that all freestanding chests, door chests,  
3 armoires, dressers, entertainment centers, bookcases  
4 taller than 27 inches, televisions, and large appli-  
5 ances provided by the Department of Defense are se-  
6 curely anchored in each furnished military family  
7 housing unit made available after the date of the en-  
8 actment of this Act.

9 **SEC. 3055. TECHNICAL CORRECTION TO CERTAIN PAY-**  
10 **MENTS FOR LESSORS OF PRIVATIZED MILI-**  
11 **TARY HOUSING.**

12 Paragraph (3) of section 606(d) of the John S.  
13 McCain National Defense Authorization Act for Fiscal  
14 Year 2019 (Public Law 115–232; 10 U.S.C. 2871 note)  
15 is amended to read as follows:

16           “(3) The term ‘MHPI housing’ means housing  
17 procured, acquired, constructed, or for which any  
18 phase or portion of a project agreement was first fi-  
19 nalized and signed, under the alternative authority  
20 of subchapter IV of chapter 169 of title 10, United  
21 States Code (known as the Military Housing Privat-  
22 ization Initiative), on or before September 30,  
23 2014.”.

1 **SEC. 3056. PILOT PROGRAM TO BUILD AND MONITOR USE**  
2 **OF SINGLE FAMILY HOMES.**

3 (a) **IN GENERAL.**—The Secretary of the Army shall  
4 carry out a pilot program to build and monitor the use  
5 of not fewer than 5 single family homes for members of  
6 the Army and their families.

7 (b) **LOCATION.**—The Secretary of the Army shall  
8 carry out the pilot program at an installation of the Army  
9 as determined by the Secretary.

10 (c) **DESIGN.**—In building homes under the pilot pro-  
11 gram, the Secretary of the Army shall use the All-Amer-  
12 ican Abode design from the suburban single-family divi-  
13 sion design by the United States Military Academy.

14 (d) **AUTHORIZATION OF APPROPRIATIONS.**—There is  
15 authorized to be appropriated to the Secretary of the  
16 Army \$1,000,000 to carry out the pilot program under  
17 this section.

1 **DIVISION C—DEPARTMENT OF**  
2 **ENERGY NATIONAL SECURITY**  
3 **AUTHORIZATIONS AND**  
4 **OTHER AUTHORIZATIONS**  
5 **TITLE XXXI—DEPARTMENT OF**  
6 **ENERGY NATIONAL SECURITY**  
7 **PROGRAMS**  
8 **Subtitle A—National Security**  
9 **Programs and Authorizations**

10 **SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRA-**  
11 **TION.**

12 (a) **AUTHORIZATION OF APPROPRIATIONS.**—Funds  
13 are hereby authorized to be appropriated to the Depart-  
14 ment of Energy for fiscal year 2020 for the activities of  
15 the National Nuclear Security Administration in carrying  
16 out programs as specified in the funding table in section  
17 4701.

18 (b) **AUTHORIZATION OF NEW PLANT PROJECTS.**—  
19 From funds referred to in subsection (a) that are available  
20 for carrying out plant projects, the Secretary of Energy  
21 may carry out new plant projects for the National Nuclear  
22 Security Administration as follows:

23 Project 20–D–931, KL Fuel Development Lab-  
24 oratory, Knolls Atomic Power Laboratory, Scheneec-  
25 tady, New York, \$23,700,000.

1           General Purpose Project, PF-4 Power and  
2           Communications Systems Upgrade, Los Alamos Na-  
3           tional Laboratory, New Mexico, \$16,000,000.

4 **SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.**

5           (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
6 are hereby authorized to be appropriated to the Depart-  
7 ment of Energy for fiscal year 2020 for defense environ-  
8 mental cleanup activities in carrying out programs as  
9 specified in the funding table in section 4701.

10          (b) AUTHORIZATION OF NEW PLANT PROJECTS.—  
11 From funds referred to in subsection (a) that are available  
12 for carrying out plant projects, the Secretary of Energy  
13 may carry out, for defense environmental cleanup activi-  
14 ties, the following new plant projects:

15           Project 20-D-401, Saltstone Disposal Units  
16           numbers 10, 11, and 12, Savannah River Site,  
17           Aiken, South Carolina, \$1,000,000.

18           Project 20-D-402, Advanced Manufacturing  
19           Collaborative, Savannah River Site, Aiken, South  
20           Carolina, \$50,000,000.

21           Project 20-U-401, On-Site Waste Disposal Fa-  
22           cility (Cell Lines 2 and 3), Portsmouth Site, Pike  
23           County, Ohio, \$10,000,000.

1 **SEC. 3103. OTHER DEFENSE ACTIVITIES.**

2 Funds are hereby authorized to be appropriated to  
3 the Department of Energy for fiscal year 2020 for other  
4 defense activities in carrying out programs as specified in  
5 the funding table in section 4701.

6 **SEC. 3104. NUCLEAR ENERGY.**

7 Funds are hereby authorized to be appropriated to  
8 the Department of Energy for fiscal year 2020 for nuclear  
9 energy as specified in the funding table in section 4701.

10 **Subtitle B—Program Authoriza-**  
11 **tions, Restrictions, and Limita-**  
12 **tions**

13 **SEC. 3111. TECHNICAL CORRECTIONS TO NATIONAL NU-**  
14 **CLEAR SECURITY ADMINISTRATION ACT AND**  
15 **ATOMIC ENERGY DEFENSE ACT.**

16 (a) DEFINITIONS IN NATIONAL NUCLEAR SECURITY  
17 ADMINISTRATION ACT.—Section 3281(2)(A) of the Na-  
18 tional Nuclear Security Administration Act (50 U.S.C.  
19 2471(2)(A)) is amended by striking “Plant” and inserting  
20 “National Security Campus”.

21 (b) AMENDMENTS TO ATOMIC ENERGY DEFENSE  
22 ACT.—

23 (1) DEFINITIONS.—Section 4002(9)(A) of the  
24 Atomic Energy Defense Act (50 U.S.C. 2501(9)(A))  
25 is amended striking “Plant” and inserting “National  
26 Security Campus”.

1           (2) STOCKPILE STEWARDSHIP, MANAGEMENT,  
2           AND RESPONSIVENESS PLAN.—Section 4203 of the  
3           Atomic Energy Defense Act (50 U.S.C. 2523) is  
4           amended—

5           (A) in subsection (d)(4)(A)(ii), by striking  
6           “quadrennial defense review if such strategy  
7           has not been submitted” and inserting “na-  
8           tional defense strategy”;

9           (B) in subsection (e)(1)(A)(i), by striking  
10          “or the most recent quadrennial defense review,  
11          as applicable under subsection (d)(4)(A), and  
12          the” and inserting “referred to in subsection  
13          (d)(4)(A)(i), the most recent the national de-  
14          fense strategy, and the most recent”; and

15          (C) in subsection (f)—

16                  (i) by striking paragraph (4);

17                  (ii) by redesignating paragraph (3) as  
18                  paragraph (4); and

19                  (iii) by inserting after paragraph (2)  
20                  the following new paragraph (3):

21                  “(3) The term ‘national defense strategy’  
22                  means the review of the defense programs and poli-  
23                  cies of the United States that is carried out every  
24                  four years under section 113(g) of title 10, United  
25                  States Code.”.

1           (3) MANUFACTURING INFRASTRUCTURE FOR  
2 NUCLEAR WEAPONS STOCKPILE.—Section 4212 of  
3 the Atomic Energy Defense Act (50 U.S.C. 2532) is  
4 amended—

5           (A) in subsection (a)(1), in the matter pre-  
6 ceding subparagraph (A), by inserting “most  
7 recent” before “Nuclear Posture Review”; and

8           (B) in subsection (b)—

9           (i) in paragraph (2), by striking  
10 “Plant” and inserting “National Security  
11 Complex”; and

12           (ii) in paragraph (4), by striking  
13 “Plant” and inserting “National Security  
14 Campus, Kansas City, Missouri”.

15           (4) REPORTS ON LIFE EXTENSION PRO-  
16 GRAMS.—

17           (A) IN GENERAL.—Section 4216 of the  
18 Atomic Energy Defense Act (50 U.S.C. 2536)  
19 is amended—

20           (i) in the section heading, by striking  
21 “**LIFETIME**” and inserting “**LIFE**”; and

22           (ii) by striking “lifetime” each place it  
23 appears and inserting “life”.

24           (B) CLERICAL AMENDMENT.—The table of  
25 contents for the Atomic Energy Defense Act is

1           amended by striking the item relating to section  
2           4216 and inserting the following new item:

“Sec. 4216. Reports on life extension programs.”.

3           (5) ADVICE ON SAFETY, SECURITY, AND RELI-  
4           ABILITY OF NUCLEAR WEAPONS STOCKPILE.—Sec-  
5           tion 4218 of the Atomic Energy Defense Act (50  
6           U.S.C. 2538) is amended—

7                   (A) in subsection (d), by striking “or the  
8           Commander of the United States Strategic  
9           Command”; and

10                   (B) in subsection (e)(1)—

11                           (i) by striking “, a member of” and  
12                           all that follows through “Strategic Com-  
13                           mand” and inserting “or a member of the  
14                           Nuclear Weapons Council”; and

15                           (ii) by striking “, member, or Com-  
16                           mander” and inserting “or member”.

17           (6) LIFE-CYCLE COST ESTIMATES.—Section  
18           4714(a) of the Atomic Energy Defense Act (50  
19           U.S.C. 2754(a)) is amended—

20                   (A) by striking “413.3” and inserting  
21                   “413.3B”; and

22                   (B) by inserting “, or a successor order,”  
23                   after “assets)”.

24           (7) UNFUNDED PRIORITIES.—

1 (A) IN GENERAL.—Section 4716 of the  
 2 Atomic Energy Defense Act (50 U.S.C. 2756)  
 3 is amended in the section heading by striking  
 4 “**NATIONAL NUCLEAR SECURITY ADMINIS-**  
 5 **TRATION**” and inserting “**ADMINISTRA-**  
 6 **TION**”.

7 (B) CLERICAL AMENDMENT.—The table of  
 8 contents for the Atomic Energy Defense Act is  
 9 amended by striking the item relating to section  
 10 4716 and inserting the following new item:

“Sec. 4716. Unfunded priorities of the Administration.”.

11 (8) **REVIEWS OF CAPITAL ASSETS ACQUISITION**  
 12 **PROJECTS**.—Section 4733(d)(3)(B) of the Atomic  
 13 Energy Defense Act (50 U.S.C. 2773(d)(3)(B)) is  
 14 amended by striking “413.3” and inserting  
 15 “413.3B”.

16 **SEC. 3112. NATIONAL NUCLEAR SECURITY ADMINISTRA-**  
 17 **TION PERSONNEL SYSTEM.**

18 (a) IN GENERAL.—Subtitle C of the National Nu-  
 19 clear Security Administration Act (50 U.S.C. 2441 et  
 20 seq.) is amended by adding at the end the following new  
 21 section:

22 **“SEC. 3248. ALTERNATIVE PERSONNEL SYSTEM.**

23 “(a) IN GENERAL.—The Administrator may adapt  
 24 the pay banding and performance-based pay adjustment  
 25 demonstration project carried out by the Administration

1 under the authority provided by section 4703 of title 5,  
2 United States Code, into a permanent alternative per-  
3 sonnel system for the Administration (to be known as the  
4 ‘National Nuclear Security Administration Personnel Sys-  
5 tem’) and implement that system with respect to employ-  
6 ees of the Administration.

7 “(b) MODIFICATIONS.—In adapting the demonstra-  
8 tion project described in subsection (a) into a permanent  
9 alternative personnel system, the Administrator—

10 “(1) may, subject to paragraph (2), revise the  
11 requirements and limitations of the demonstration  
12 project to the extent necessary; and

13 “(2) shall—

14 “(A) ensure that the permanent alternative  
15 personnel system is carried out in a manner  
16 consistent with the final plan for the dem-  
17 onstration project published in the Federal Reg-  
18 ister on December 21, 2007 (72 Fed. Reg.  
19 72776);

20 “(B) ensure that significant changes in the  
21 system not take effect until revisions to the  
22 plan for the demonstration project are approved  
23 by the Office of Personnel Management and  
24 published in the Federal Register;

1           “(C) ensure that procedural modifications  
2 or clarifications to the final plan for the dem-  
3 onstration project be made through local notifi-  
4 cation processes;

5           “(D) authorize, and establish incentives  
6 for, employees of the Administration to have ro-  
7 tational assignments among different programs  
8 of the Administration, the headquarters and  
9 field offices of the Administration, and the  
10 management and operating contractors of the  
11 Administration; and

12           “(E) establish requirements for employees  
13 of the Administration who are in the permanent  
14 alternative personnel system described in sub-  
15 section (a) to be promoted to senior-level posi-  
16 tions in the Administration, including require-  
17 ments with respect to—

18                   “(i) professional training and con-  
19 tinuing education; and

20                   “(ii) a certain number and types of  
21 rotational assignments under subpara-  
22 graph (D), as determined by the Adminis-  
23 trator.

24           “(c) APPLICATION TO NAVAL NUCLEAR PROPULSION  
25 PROGRAM.—The Director of the Naval Nuclear Propul-

1 sion Program established pursuant to section 4101 of the  
2 Atomic Energy Defense Act (50 U.S.C. 2511) and section  
3 3216 of this Act may, with the concurrence of the Sec-  
4 retary of the Navy, apply the alternative personnel system  
5 under subsection (a) to—

6 “(1) all employees of the Naval Nuclear Propul-  
7 sion Program in the competitive service (as defined  
8 in section 2102 of title 5, United States Code); and

9 “(2) all employees of the Department of Navy  
10 who are assigned to the Naval Nuclear Propulsion  
11 Program and are in the excepted service (as defined  
12 in section 2103 of title 5, United States Code)  
13 (other than such employees in statutory excepted  
14 service systems).”.

15 (b) BRIEFING.—

16 (1) IN GENERAL.—Not later than 180 days  
17 after the date of the enactment of this Act, the Ad-  
18 ministrator for Nuclear Security shall provide a  
19 briefing to the appropriate congressional committees  
20 on the implementation of section 3248 of the Na-  
21 tional Nuclear Security Administration Act, as  
22 added by subsection (a).

23 (2) APPROPRIATE CONGRESSIONAL COMMIT-  
24 TEES DEFINED.—In this subsection, the term “ap-  
25 propriate congressional committees” means—

1 (A) the congressional defense committees;

2 (B) the Committee on Energy and Natural  
3 Resources of the Senate and the Committee on  
4 Energy and Commerce of the House of Rep-  
5 resentatives; and

6 (C) the Committee on Homeland Security  
7 and Governmental Affairs of the Senate and the  
8 Committee on Oversight and Government Re-  
9 form of the House of Representatives.

10 (c) CONFORMING AMENDMENTS.—Section 3116 of  
11 the National Defense Authorization Act for Fiscal Year  
12 2018 (Public Law 115–91; 131 Stat. 1888; 50 U.S.C.  
13 2441 note prec) is amended—

14 (1) by striking subsections (a) and (d); and

15 (2) by redesignating subsections (b) and (c) as  
16 subsections (a) and (b), respectively.

17 (d) CLERICAL AMENDMENT.—The table of contents  
18 for the National Nuclear Security Administration Act is  
19 amended by inserting after the item relating to section  
20 3247 the following new item:

“Sec. 3248. Alternative personnel system.”.

1 **SEC. 3113. CONTRACTING, PROGRAM MANAGEMENT, SCI-**  
2 **ENTIFIC, ENGINEERING, AND TECHNICAL PO-**  
3 **SITIONS AT NATIONAL NUCLEAR SECURITY**  
4 **ADMINISTRATION.**

5 (a) **IN GENERAL.**—Section 3241 of the National Nu-  
6 clear Security Administration Act (50 U.S.C. 2441) is  
7 amended in the first sentence—

8 (1) by striking “may” and inserting “shall”;

9 and

10 (2) by striking “not more than 600”.

11 (b) **CONFORMING AMENDMENTS.**—Such section is  
12 further amended—

13 (1) in the section heading, by striking “**AU-**  
14 **THORITY TO ESTABLISH**” and inserting “**ESTAB-**  
15 **LISHMENT OF**”; and

16 (2) in the second sentence, by striking “Subject  
17 to the limitations in the preceding sentence, the au-  
18 thority” and inserting “The authority”.

19 (c) **CLERICAL AMENDMENT.**—The table of contents  
20 for the National Nuclear Security Administration Act is  
21 amended by striking the item relating to section 3241 and  
22 inserting the following new item:

“Sec. 3241. Establishment of contracting, program management, scientific, en-  
gineering, and technical positions.”.

1 **SEC. 3114. PROHIBITION ON USE OF LABORATORY-DI-**  
2 **RECTED RESEARCH AND DEVELOPMENT**  
3 **FUNDS FOR GENERAL AND ADMINISTRATIVE**  
4 **OVERHEAD COSTS.**

5 Section 4811 of the Atomic Energy Defense Act (50  
6 U.S.C. 2791) is amended—

7 (1) by redesignating subsection (d) as sub-  
8 section (e); and

9 (2) by inserting after subsection (c) the fol-  
10 lowing new subsection (d):

11 “(d) Funds provided to a national security laboratory  
12 or nuclear weapons production facility for laboratory-di-  
13 rected research and development may not be used to cover  
14 the costs of general and administrative overhead for the  
15 laboratory or facility.”.

16 **SEC. 3115. PROHIBITION ON USE OF FUNDS FOR ADVANCED**  
17 **NAVAL NUCLEAR FUEL SYSTEM BASED ON**  
18 **LOW-ENRICHED URANIUM.**

19 None of the funds authorized to be appropriated for  
20 the National Nuclear Security Administration for fiscal  
21 year 2020 or any fiscal year thereafter may be obligated  
22 or expended to conduct research and development of an  
23 advanced naval nuclear fuel system based on low-enriched  
24 uranium until the following certifications are submitted to  
25 the congressional defense committees:

1           (1) A joint certification of the Secretary of En-  
2           ergy and the Secretary of Defense that the deter-  
3           mination made by the Secretary of Energy and the  
4           Secretary of the Navy pursuant to section  
5           3118(e)(1) of the National Defense Authorization  
6           Act for Fiscal Year 2016 (Public Law 114–92; 129  
7           Stat. 1196) and submitted to the congressional de-  
8           fense committees on March 25, 2018, that the  
9           United States should not pursue such research and  
10          development, no longer reflects the policy of the  
11          United States.

12          (2) A certification of the Secretary of the Navy  
13          that an advanced naval nuclear fuel system based on  
14          low-enriched uranium would not reduce vessel capa-  
15          bility, increase expense, or reduce operational avail-  
16          ability as a result of refueling requirements.

## 17           **Subtitle C—Plans and Reports**

### 18           **SEC. 3121. ESTIMATION OF COSTS OF MEETING DEFENSE**

#### 19                           **ENVIRONMENTAL CLEANUP MILESTONES RE-** 20                           **QUIRED BY CONSENT ORDERS.**

21           (a) IN GENERAL.—Subtitle A of title XLIV of the  
22           Atomic Energy Defense Act (50 U.S.C. 2581 et seq.) is  
23           amended by adding at the end the following section:

1 **“SEC. 4409. ESTIMATION OF COSTS OF MEETING DEFENSE**  
2 **ENVIRONMENTAL CLEANUP MILESTONES RE-**  
3 **QUIRED BY CONSENT ORDERS.**

4 “The Secretary of Energy shall include in the budget  
5 justification materials submitted to Congress in support  
6 of the Department of Energy budget for each fiscal year  
7 (as submitted with the budget of the President under sec-  
8 tion 1105(a) of title 31, United States Code) a report on  
9 the cost of meeting milestones required by a consent order  
10 at each defense nuclear facility at which defense environ-  
11 mental cleanup activities are occurring. The report shall  
12 include, for each such facility—

13 “(1) a specification of the cost of meeting such  
14 milestones during that fiscal year; and

15 “(2) an estimate of the cost of meeting such  
16 milestones during the four fiscal years following that  
17 fiscal year.”.

18 (b) CLERICAL AMENDMENT.—The table of contents  
19 for the Atomic Energy Defense Act is amended by insert-  
20 ing after the item relating to section 4408 the following  
21 new item:

“Sec. 4409. Estimation of costs of meeting defense environmental cleanup mile-  
stones required by consent orders.”.

1 **SEC. 3122. EXTENSION OF SUSPENSION OF CERTAIN AS-**  
2 **SESSMENTS RELATING TO NUCLEAR WEAP-**  
3 **ONS STOCKPILE.**

4 Section 3255(b) of the National Nuclear Security Ad-  
5 ministration Act (50 U.S.C. 2455(b)) is amended by strik-  
6 ing “fiscal year 2018 or 2019” and inserting “any of fiscal  
7 years 2018 through 2023”.

8 **SEC. 3123. REPEAL OF REQUIREMENT FOR REVIEW RELAT-**  
9 **ING TO ENHANCED PROCUREMENT AUTHOR-**  
10 **ITY.**

11 Section 4806 of the Atomic Energy Defense Act (50  
12 U.S.C. 2786) is amended—

13 (1) by striking subsection (e); and

14 (2) by redesignating subsections (f) and (g) as  
15 subsections (e) and (f), respectively.

16 **SEC. 3124. DETERMINATION OF EFFECT OF TREATY OBLI-**  
17 **GATIONS WITH RESPECT TO PRODUCING**  
18 **TRITIUM.**

19 Not later than February 15, 2020, the Secretary of  
20 Energy shall—

21 (1) determine whether the Agreement for Co-  
22 operation on the Uses of Atomic Energy for Mutual  
23 Defense Purposes, signed at Washington July 3,  
24 1958 (9 UST 1028), between the United States and  
25 the United Kingdom, permits the United States to

1 obtain low-enriched uranium for the purposes of pro-  
2 ducing tritium in the United States; and

3 (2) submit to the congressional defense commit-  
4 tees a report on that determination.

5 **SEC. 3125. ASSESSMENT OF HIGH ENERGY DENSITY PHYS-**  
6 **ICS.**

7 (a) IN GENERAL.—Not later than 90 days after the  
8 date of the enactment of this Act, the Administrator for  
9 Nuclear Security shall enter into an arrangement with the  
10 National Academies of Sciences, Engineering, and Medi-  
11 cine to conduct an assessment of recent advances and the  
12 current status of research in the field of high energy den-  
13 sity physics.

14 (b) ELEMENTS.—The assessment conducted under  
15 subsection (a) shall include the following:

16 (1) Theoretical and computational modeling of  
17 high energy density material phases, radiation-mat-  
18 ter interactions, plasmas atypical of astrophysical  
19 conditions, and conditions unique to the National  
20 Nuclear Security Administration.

21 (2) The simulation of such phases, interactions,  
22 plasmas, and conditions.

23 (3) Instrumentation and target fabrication.

24 (4) Workforce training.

1           (5) An assessment of advancements made by  
2 other countries in high energy density physics.

3           (6) Such others items as are agreed upon by  
4 the Administrator and the National Academies.

5           (c) APPLICABILITY OF INTERNAL CONTROLS.—The  
6 assessment under subsection (a) shall be conducted in ac-  
7 cordance with the internal controls of the National Acad-  
8 emies.

9           (d) REPORT TO CONGRESS.—Not later than 18  
10 months after entering into the arrangement under sub-  
11 section (a), the National Academy of Sciences, Engineer-  
12 ing, and Medicine shall submit to the congressional de-  
13 fense committees a report on the assessment conducted  
14 under that subsection.

15           (e) HIGH ENERGY DENSITY PHYSICS DEFINED.—In  
16 this section, the term “high energy density physics” means  
17 the physics of matter and radiation at—

18           (1) energy densities exceeding 100,000,000,000  
19 joules per cubic meter; and

20           (2) other temperature and pressure ranges  
21 within the warm dense matter regime.

1 **TITLE XXXII—DEFENSE NU-**  
2 **CLEAR FACILITIES SAFETY**  
3 **BOARD**

4 **SEC. 3201. AUTHORIZATION.**

5 There are authorized to be appropriated for fiscal  
6 year 2020, \$29,450,000 for the operation of the Defense  
7 Nuclear Facilities Safety Board under chapter 21 of the  
8 Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

9 **SEC. 3202. IMPROVEMENT OF MANAGEMENT AND ORGANI-**  
10 **ZATION OF DEFENSE NUCLEAR FACILITIES**  
11 **SAFETY BOARD.**

12 (a) **PROVISION OF INFORMATION TO BOARD.**—Sub-  
13 section (c) of section 311 of the Atomic Energy Act of  
14 1954 (42 U.S.C. 2286) is amended—

15 (1) in paragraph (2), by striking “paragraphs  
16 (5), (6), and (7)” and inserting “paragraphs (5) and  
17 (6)”;

18 (2) by striking paragraph (6); and

19 (3) by redesignating paragraph (7) as para-  
20 graph (6).

21 (b) **EXECUTIVE DIRECTOR FOR OPERATIONS.**—Para-  
22 graph (6) of such subsection, as redesignated by sub-  
23 section (a)(3), is further amended in subparagraph (C)—

24 (1) by redesignating clauses (i), (ii), and (iii) as  
25 clauses (ii), (iii), and (iv), respectively; and



1 sist the President in selecting individuals to nominate for  
2 positions as members of the Board.”.

3 (b) TERMS OF MEMBERS.—

4 (1) IN GENERAL.—Subsection (d) of such sec-  
5 tion is amended—

6 (A) in paragraph (1), by striking the sec-  
7 ond sentence and inserting the following new  
8 sentence: “A member of the Board may not  
9 serve for two consecutive terms.”; and

10 (B) in paragraph (3), by striking the sec-  
11 ond sentence and inserting the following new  
12 sentence: “A member may not serve after the  
13 expiration of the member’s term.”.

14 (2) EFFECTIVE DATE.—The amendments made  
15 by paragraph (1) shall take effect on April 1, 2020.

16 (c) FILLING VACANCIES.—Such subsection is further  
17 amended by adding at the end the following new para-  
18 graph:

19 “(4)(A) Not later than 180 days after the expiration  
20 of the term of a member of the Board, the President  
21 shall—

22 “(i) submit to the Senate the nomination of an  
23 individual to fill the vacancy; or

24 “(ii) submit to the Committee on Armed Serv-  
25 ices of the Senate a report that includes—

1           “(I) a description of the reasons the Presi-  
2           dent did not submit such a nomination; and

3           “(II) a plan for submitting such a nomina-  
4           tion during the 90-day period following the sub-  
5           mission of the report.

6           “(B) If the President does not submit to the Senate  
7           the nomination of an individual to fill a vacancy during  
8           the 90-day period described in subclause (II) of subpara-  
9           graph (A)(ii), the President shall submit to the Committee  
10          on Armed Services a report described in that subpara-  
11          graph not less frequently than every 90 days until the  
12          President submits such a nomination.”.

13                           **TITLE XXXV—MARITIME**  
14                           **ADMINISTRATION**

15   **SEC. 3501. MARITIME ADMINISTRATION.**

16          Section 109 of title 49, United States Code, is  
17          amended to read as follows:

18   **“§ 109. Maritime Administration**

19          “(a) ORGANIZATION AND MISSION.—The Maritime  
20          Administration is an administration in the Department of  
21          Transportation. The mission of the Maritime Administra-  
22          tion is to foster, promote, and develop the merchant mari-  
23          time industry of the United States.

24          “(b) MARITIME ADMINISTRATOR.—The head of the  
25          Maritime Administration is the Maritime Administrator,

1 who is appointed by the President by and with the advice  
2 and consent of the Senate. The Administrator shall report  
3 directly to the Secretary of Transportation and carry out  
4 the duties prescribed by the Secretary.

5       “(c) DEPUTY MARITIME ADMINISTRATOR.—The  
6 Maritime Administration shall have a Deputy Maritime  
7 Administrator, who is appointed in the competitive service  
8 by the Secretary, after consultation with the Adminis-  
9 trator. The Deputy Administrator shall carry out the du-  
10 ties prescribed by the Administrator. The Deputy Admin-  
11 istrator shall be Acting Administrator during the absence  
12 or disability of the Administrator and, unless the Sec-  
13 retary designates another individual, during a vacancy in  
14 the office of Administrator.

15       “(d) DUTIES AND POWERS VESTED IN SEC-  
16 RETARY.—All duties and powers of the Maritime Adminis-  
17 tration are vested in the Secretary.

18       “(e) REGIONAL OFFICES.—The Maritime Adminis-  
19 tration shall have regional offices for the Atlantic, Gulf,  
20 Great Lakes, and Pacific port ranges, and may have other  
21 regional offices as necessary. The Secretary shall appoint  
22 a qualified individual as Director of each regional office.  
23 The Secretary shall carry out appropriate activities and  
24 programs of the Maritime Administration through the re-  
25 gional offices.

1       “(f) INTERAGENCY AND INDUSTRY RELATIONS.—

2 The Secretary shall establish and maintain liaison with  
3 other agencies, and with representative trade organiza-  
4 tions throughout the United States, concerned with the  
5 transportation of commodities by water in the export and  
6 import foreign commerce of the United States, for the pur-  
7 pose of securing preference to vessels of the United States  
8 for the transportation of those commodities.

9       “(g) DETAILING OFFICERS FROM ARMED FORCES.—

10 To assist the Secretary in carrying out duties and powers  
11 relating to the Maritime Administration, not more than  
12 five officers of the Armed Forces may be detailed to the  
13 Secretary at any one time, in addition to details author-  
14 ized by any other law. During the period of a detail, the  
15 Secretary shall pay the officer an amount that, when  
16 added to the officer’s pay and allowances as an officer in  
17 the Armed Forces, makes the officer’s total pay and allow-  
18 ances equal to the amount that would be paid to an indi-  
19 vidual performing work the Secretary considers to be of  
20 similar importance, difficulty, and responsibility as that  
21 performed by the officer during the detail.

22       “(h) CONTRACTS, COOPERATIVE AGREEMENTS, AND  
23 AUDITS.—

24               “(1) CONTRACTS AND COOPERATIVE AGREE-  
25       MENTS.—In the same manner that a private cor-

1       poration may make a contract within the scope of its  
2       authority under its charter, the Secretary may make  
3       contracts and cooperative agreements for the United  
4       States Government and disburse amounts to—

5               “(A) carry out the Secretary’s duties and  
6               powers under this section, subtitle V of title 46,  
7               and all other Maritime Administration pro-  
8               grams; and

9               “(B) protect, preserve, and improve collat-  
10              eral held by the Secretary to secure indebted-  
11              ness.

12             “(2) AUDITS.—The financial transactions of  
13             the Secretary under paragraph (1) shall be audited  
14             by the Comptroller General. The Comptroller Gen-  
15             eral shall allow credit for an expenditure shown to  
16             be necessary because of the nature of the business  
17             activities authorized by this section or subtitle V of  
18             title 46. At least once a year, the Comptroller Gen-  
19             eral shall report to Congress any departure by the  
20             Secretary from this section or subtitle V of title 46.

21             “(i) GRANT ADMINISTRATIVE EXPENSES.—Except as  
22             otherwise provided by law, the administrative and related  
23             expenses for the administration of any grant programs by  
24             the Maritime Administrator may not exceed 3 percent.

25             “(j) AUTHORIZATION OF APPROPRIATIONS.—

1           “(1) IN GENERAL.—Except as otherwise pro-  
2           vided in this subsection, there are authorized to be  
3           appropriated such amounts as may be necessary to  
4           carry out the duties and powers of the Secretary re-  
5           lating to the Maritime Administration.

6           “(2) LIMITATIONS.—Only those amounts spe-  
7           cifically authorized by law may be appropriated for  
8           the use of the Maritime Administration for—

9                   “(A) acquisition, construction, or recon-  
10                  struction of vessels;

11                  “(B) construction-differential subsidies in-  
12                  cident to the construction, reconstruction, or re-  
13                  conditioning of vessels;

14                  “(C) costs of national defense features;

15                  “(D) payments of obligations incurred for  
16                  operating-differential subsidies;

17                  “(E) expenses necessary for research and  
18                  development activities, including reimbursement  
19                  of the Vessel Operations Revolving Fund for  
20                  losses resulting from expenses of experimental  
21                  vessel operations;

22                  “(F) the Vessel Operations Revolving  
23                  Fund;

24                  “(G) National Defense Reserve Fleet ex-  
25                  penses;

1           “(H) expenses necessary to carry out part  
2           B of subtitle V of title 46; and

3           “(I) other operations and training expenses  
4           related to the development of waterborne trans-  
5           portation systems, the use of waterborne trans-  
6           portation systems, and general administra-  
7           tion.”.

## 8           **DIVISION D—FUNDING TABLES**

### 9           **SEC. 4001. AUTHORIZATION OF AMOUNTS IN FUNDING TA-** 10           **BLES.**

11           (a) IN GENERAL.—Whenever a funding table in this  
12           division specifies a dollar amount authorized for a project,  
13           program, or activity, the obligation and expenditure of the  
14           specified dollar amount for the project, program, or activ-  
15           ity is hereby authorized, subject to the availability of ap-  
16           propriations.

17           (b) MERIT-BASED DECISIONS.—A decision to com-  
18           mit, obligate, or expend funds with or to a specific entity  
19           on the basis of a dollar amount authorized pursuant to  
20           subsection (a) shall—

21           (1) be based on merit-based selection proce-  
22           dures in accordance with the requirements of sec-  
23           tions 2304(k) and 2374 of title 10, United States  
24           Code, or on competitive procedures; and

1 (2) comply with other applicable provisions of  
2 law.

3 (c) RELATIONSHIP TO TRANSFER AND PROGRAM-  
4 MING AUTHORITY.—An amount specified in the funding  
5 tables in this division may be transferred or repro-  
6 grammed under a transfer or reprogramming authority  
7 provided by another provision of this Act or by other law.  
8 The transfer or reprogramming of an amount specified in  
9 such funding tables shall not count against a ceiling on  
10 such transfers or reprogrammings under section 1001 or  
11 section 1522 of this Act or any other provision of law,  
12 unless such transfer or reprogramming would move funds  
13 between appropriation accounts.

14 (d) APPLICABILITY TO CLASSIFIED ANNEX.—This  
15 section applies to any classified annex that accompanies  
16 this Act.

17 (e) ORAL WRITTEN COMMUNICATIONS.—No oral or  
18 written communication concerning any amount specified  
19 in the funding tables in this division shall supersede the  
20 requirements of this section.

21 **TITLE XLI—PROCUREMENT**

22 **SEC. 4101. PROCUREMENT.**

SEC. 4101. PROCUREMENT (In Thousands of Dollars)			
Line	Item	FY 2020 Request	Senate Authorized
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
2	UTILITY F/W AIRCRAFT .....	16,000	0
	Program zeroed out in FYDP .....		[-16,000]
4	RQ-11 (RAVEN) .....	23,510	23,510
<b>ROTARY</b>			
5	TACTICAL UNMANNED AIRCRAFT SYSTEM (TUAS) .....	12,100	12,100

**SEC. 4101. PROCUREMENT**  
**(In Thousands of Dollars)**

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
8	AH-64 APACHE BLOCK IIIA REMAN .....	806,849	806,849
9	AH-64 APACHE BLOCK IIIA REMAN AP .....	190,870	190,870
10	AH-64 APACHE BLOCK IIIB NEW BUILD .....	0	105,000
	Increase fielding for Active and ARNG units .....		[105,000]
12	UH-60 BLACKHAWK M MODEL (MYP) .....	1,411,540	1,271,540
	Funding ahead of acquisition strategy .....		[-140,000]
13	UH-60 BLACKHAWK M MODEL (MYP) AP .....	79,572	79,572
14	UH-60 BLACK HAWK L AND V MODELS .....	169,290	204,290
	Increase fielding for ARNG units .....		[35,000]
15	CH-47 HELICOPTER .....	140,290	140,290
16	CH-47 HELICOPTER AP .....	18,186	18,186
	<b>MODIFICATION OF AIRCRAFT</b>		
19	UNIVERSAL GROUND CONTROL EQUIPMENT (UAS) .....	2,090	2,090
20	GRAY EAGLE MODS2 .....	14,699	14,699
21	MULTI SENSOR ABN RECON (MIP) .....	35,189	35,189
22	AH-64 MODS .....	58,172	58,172
23	CH-47 CARGO HELICOPTER MODS (MYP) .....	11,785	11,785
24	GRCS SEMA MODS (MIP) .....	5,677	5,677
25	ARL SEMA MODS (MIP) .....	6,566	6,566
26	EMARSS SEMA MODS (MIP) .....	3,859	3,859
27	UTILITY/CARGO AIRPLANE MODS .....	15,476	15,476
28	UTILITY HELICOPTER MODS .....	6,744	6,744
29	NETWORK AND MISSION PLAN .....	105,442	105,442
30	COMMS, NAV SURVEILLANCE .....	164,315	164,315
32	GATM ROLLUP .....	30,966	30,966
33	RQ-7 UAV MODS .....	8,983	8,983
34	UAS MODS .....	10,205	10,205
	<b>GROUND SUPPORT AVIONICS</b>		
35	AIRCRAFT SURVIVABILITY EQUIPMENT .....	52,297	52,297
36	SURVIVABILITY CM .....	8,388	8,388
37	CMWS .....	13,999	13,999
38	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	168,784	168,784
	<b>OTHER SUPPORT</b>		
39	AVIONICS SUPPORT EQUIPMENT .....	1,777	1,777
40	COMMON GROUND EQUIPMENT .....	18,624	18,624
41	AIRCREW INTEGRATED SYSTEMS .....	48,255	48,255
42	AIR TRAFFIC CONTROL .....	32,738	32,738
44	LAUNCHER, 2.75 ROCKET .....	2,201	2,201
45	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2 .....	991	991
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY</b> .....	<b>3,696,429</b>	<b>3,680,429</b>
	<b>MISSILE PROCUREMENT, ARMY</b>		
	<b>SURFACE-TO-AIR MISSILE SYSTEM</b>		
1	SYSTEM INTEGRATION AND TEST PROCUREMENT .....	0	113,857
	Transfer back to base funding .....		[113,857]
2	M-SHORAD—PROCUREMENT .....	0	103,800
	Transfer back to base funding .....		[103,800]
3	MSE MISSILE .....	0	698,603
	Transfer back to base funding .....		[698,603]
4	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I .....	0	239,237
	Full funding of Iron Dome battery .....		[229,900]
	Transfer back to base funding .....		[9,337]
5	THAAD .....	0	425,900
	THAAD program transfer from MDA .....		[425,900]
	<b>AIR-TO-SURFACE MISSILE SYSTEM</b>		
6	HELLFIRE SYS SUMMARY .....	0	193,284
	Transfer back to base funding .....		[193,284]
7	JOINT AIR-TO-GROUND MSLS (JAGM) .....	0	233,353
	Transfer back to base funding .....		[233,353]
	<b>ANTI-TANK/ASSAULT MISSILE SYS</b>		
8	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	0	138,405
	Transfer back to base funding .....		[138,405]
9	TOW 2 SYSTEM SUMMARY .....	0	114,340
	Transfer back to base funding .....		[114,340]
10	TOW 2 SYSTEM SUMMARY AP .....	0	10,500
	Transfer back to base funding .....		[10,500]
11	GUIDED MLRS ROCKET (GMLRS) .....	0	797,213
	Transfer back to base funding .....		[797,213]
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR) .....	0	27,555
	Transfer back to base funding .....		[27,555]
14	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM .....	0	209,842
	Transfer back to base funding .....		[209,842]
	<b>MODIFICATIONS</b>		
16	PATRIOT MODS .....	0	279,464
	Transfer back to base funding .....		[279,464]
17	ATACMS MODS .....	0	85,320
	Transfer back to base funding .....		[85,320]
18	GMLRS MOD .....	0	5,094

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
	Transfer back to base funding .....		[5,094]
19	STINGER MODS .....	0	81,615
	Transfer back to base funding .....		[81,615]
20	AVENGER MODS .....	0	14,107
	Transfer back to base funding .....		[14,107]
21	ITAS/TOW MODS .....	0	3,469
	Transfer back to base funding .....		[3,469]
22	MLRS MODS .....	0	39,019
	Transfer back to base funding .....		[39,019]
23	HIMARS MODIFICATIONS .....	0	12,483
	Transfer back to base funding .....		[12,483]
	<b>SPARES AND REPAIR PARTS</b>		
24	SPARES AND REPAIR PARTS .....	0	26,444
	Transfer back to base funding .....		[26,444]
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
25	AIR DEFENSE TARGETS .....	0	10,593
	Transfer back to base funding .....		[10,593]
	<b>TOTAL MISSILE PROCUREMENT, ARMY</b> .....	<b>0</b>	<b>3,863,497</b>
	<b>PROCUREMENT OF W&amp;TCV, ARMY</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
2	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	264,040	264,040
	<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>		
3	STRYKER (MOD) .....	144,387	393,587
	UPL Stryker lethality 30 mm cannon .....		[249,200]
4	STRYKER UPGRADE .....	550,000	550,000
5	BRADLEY PROGRAM (MOD) .....	638,781	598,781
	Excess to need due to termination of subprogram .....		[-40,000]
6	M109 FOV MODIFICATIONS .....	25,756	25,756
7	PALADIN INTEGRATED MANAGEMENT (PIM) .....	553,425	553,425
9	ASSAULT BRIDGE (MOD) .....	2,821	2,821
10	ASSAULT BREACHER VEHICLE .....	31,697	31,697
11	M88 FOV MODS .....	4,500	4,500
12	JOINT ASSAULT BRIDGE .....	205,517	205,517
13	M1 ABRAMS TANK (MOD) .....	348,800	348,800
14	ABRAMS UPGRADE PROGRAM .....	1,752,784	1,717,784
	Early to need .....		[-35,000]
	<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>		
16	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S .....	19,420	19,420
17	GUN AUTOMATIC 30MM M230 .....	20,000	20,000
19	MORTAR SYSTEMS .....	14,907	14,907
20	XM320 GRENADE LAUNCHER MODULE (GLM) .....	191	191
21	PRECISION SNIPER RIFLE .....	7,977	7,977
22	COMPACT SEMI-AUTOMATIC SNIPER SYSTEM .....	9,860	9,860
23	CARBINE .....	30,331	30,331
24	SMALL ARMS—FIRE CONTROL .....	8,060	8,060
25	COMMON REMOTELY OPERATED WEAPONS STATION .....	24,007	24,007
26	HANDGUN .....	6,174	6,174
	<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>		
28	MK-19 GRENADE MACHINE GUN MODS .....	3,737	3,737
29	M777 MODS .....	2,367	2,367
30	M4 CARBINE MODS .....	17,595	17,595
33	M240 MEDIUM MACHINE GUN MODS .....	8,000	8,000
34	SNIPER RIFLES MODIFICATIONS .....	2,426	2,426
35	M119 MODIFICATIONS .....	6,269	6,269
36	MORTAR MODIFICATION .....	1,693	1,693
37	MODIFICATIONS LESS THAN \$5.0M (WOCV-WTCV) .....	4,327	4,327
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
38	ITEMS LESS THAN \$5.0M (WOCV-WTCV) .....	3,066	3,066
39	PRODUCTION BASE SUPPORT (WOCV-WTCV) .....	2,651	2,651
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY</b> .....	<b>4,715,566</b>	<b>4,889,766</b>
	<b>PROCUREMENT OF AMMUNITION, ARMY</b>		
	<b>SMALL/MEDIUM CAL AMMUNITION</b>		
1	CTG, 5.56MM, ALL TYPES .....	0	68,949
	Transfer back to base funding .....		[68,949]
2	CTG, 7.62MM, ALL TYPES .....	0	114,228
	Transfer back to base funding .....		[114,228]
3	CTG, HANDGUN, ALL TYPES .....	0	17,807
	Transfer back to base funding .....		[17,807]
4	CTG, .50 CAL, ALL TYPES .....	0	63,966
	Transfer back to base funding .....		[63,966]
5	CTG, 20MM, ALL TYPES .....	0	35,920
	Transfer back to base funding .....		[35,920]
6	CTG, 25MM, ALL TYPES .....	0	8,990
	Transfer back to base funding .....		[8,990]
7	CTG, 30MM, ALL TYPES .....	0	68,813
	Transfer back to base funding .....		[68,813]

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
8	CTG, 40MM, ALL TYPES .....	0	103,952
	Transfer back to base funding .....		[103,952]
	<b>MORTAR AMMUNITION</b>		
9	60MM MORTAR, ALL TYPES .....	0	50,580
	Transfer back to base funding .....		[50,580]
10	81MM MORTAR, ALL TYPES .....	0	59,373
	Transfer back to base funding .....		[59,373]
11	120MM MORTAR, ALL TYPES .....	0	125,452
	Transfer back to base funding .....		[125,452]
	<b>TANK AMMUNITION</b>		
12	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES .....	0	171,284
	Transfer back to base funding .....		[171,284]
	<b>ARTILLERY AMMUNITION</b>		
13	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES .....	0	44,675
	Transfer back to base funding .....		[44,675]
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....	0	266,037
	Transfer back to base funding .....		[266,037]
15	PROJ 155MM EXTENDED RANGE M982 .....	0	57,434
	Transfer back to base funding .....		[57,434]
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL .....	0	271,602
	Transfer back to base funding .....		[271,602]
	<b>MINES</b>		
17	MINES & CLEARING CHARGES, ALL TYPES .....	0	55,433
	Transfer back to base funding .....		[55,433]
	<b>ROCKETS</b>		
18	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	0	74,878
	Transfer back to base funding .....		[74,878]
19	ROCKET, HYDRA 70, ALL TYPES .....	0	175,994
	Transfer back to base funding .....		[175,994]
	<b>OTHER AMMUNITION</b>		
20	CAD/PAD, ALL TYPES .....	0	7,595
	Transfer back to base funding .....		[7,595]
21	DEMOLITION MUNITIONS, ALL TYPES .....	0	51,651
	Transfer back to base funding .....		[51,651]
22	GRENADES, ALL TYPES .....	0	40,592
	Transfer back to base funding .....		[40,592]
23	SIGNALS, ALL TYPES .....	0	18,609
	Transfer back to base funding .....		[18,609]
24	SIMULATORS, ALL TYPES .....	0	16,054
	Transfer back to base funding .....		[16,054]
	<b>MISCELLANEOUS</b>		
25	AMMO COMPONENTS, ALL TYPES .....	0	5,261
	Transfer back to base funding .....		[5,261]
26	NON-LETHAL AMMUNITION, ALL TYPES .....	0	715
	Transfer back to base funding .....		[715]
27	ITEMS LESS THAN \$5 MILLION (AMMO) .....	0	9,213
	Transfer back to base funding .....		[9,213]
28	AMMUNITION PECULIAR EQUIPMENT .....	0	10,044
	Transfer back to base funding .....		[10,044]
29	FIRST DESTINATION TRANSPORTATION (AMMO) .....	0	18,492
	Transfer back to base funding .....		[18,492]
30	CLOSEOUT LIABILITIES .....	0	99
	Transfer back to base funding .....		[99]
	<b>PRODUCTION BASE SUPPORT</b>		
31	INDUSTRIAL FACILITIES .....	0	474,511
	Transfer back to base funding .....		[474,511]
32	CONVENTIONAL MUNITIONS DEMILITARIZATION .....	0	202,512
	Transfer back to base funding .....		[202,512]
33	ARMS INITIATIVE .....	0	3,833
	Transfer back to base funding .....		[3,833]
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY</b> .....	<b>0</b>	<b>2,694,548</b>
	<b>OTHER PROCUREMENT, ARMY</b>		
	<b>TACTICAL VEHICLES</b>		
1	TACTICAL TRAILERS/DOLLY SETS .....	12,993	12,993
2	SEMITRAILERS, FLATBED: .....	102,386	102,386
3	AMBULANCE, 4 LITTER, 5/4 TON, 4X4 .....	127,271	127,271
4	GROUND MOBILITY VEHICLES (GMV) .....	37,038	37,038
6	JOINT LIGHT TACTICAL VEHICLE .....	996,007	956,507
	Army requested realignment .....		[-4,500]
	Early to need .....		[-35,000]
7	TRUCK, DUMP, 20T (CCE) .....	10,838	10,838
8	FAMILY OF MEDIUM TACTICAL VEH (FMTV) .....	72,057	72,057
9	FIRETRUCKS & ASSOCIATED FIREFIGHTING EQUIP .....	28,048	28,048
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....	9,969	9,969
11	PLS ESP .....	6,280	6,280
12	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV .....	30,841	30,841
13	HMMWV RECAPITALIZATION PROGRAM .....	5,734	5,734

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
14	TACTICAL WHEELED VEHICLE PROTECTION KITS .....	45,113	45,113
15	MODIFICATION OF IN SVC EQUIP .....	58,946	58,946
	<b>NON-TACTICAL VEHICLES</b>		
17	HEAVY ARMORED VEHICLE .....	791	791
18	PASSENGER CARRYING VEHICLES .....	1,416	1,416
19	NONTACTICAL VEHICLES, OTHER .....	29,891	29,891
	<b>COMM—JOINT COMMUNICATIONS</b>		
21	SIGNAL MODERNIZATION PROGRAM .....	153,933	153,933
22	TACTICAL NETWORK TECHNOLOGY MOD IN SVC .....	387,439	387,439
23	SITUATION INFORMATION TRANSPORT .....	46,693	46,693
25	JCSE EQUIPMENT (USRDECOM) .....	5,075	5,075
	<b>COMM—SATELLITE COMMUNICATIONS</b>		
28	DEFENSE ENTERPRISE WIDEBAND SATCOM SYSTEMS .....	101,189	101,189
29	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....	77,141	77,141
30	SHF TERM .....	16,054	16,054
31	ASSURED POSITIONING, NAVIGATION AND TIMING .....	41,074	41,074
32	SMART-T (SPACE) .....	10,515	10,515
33	GLOBAL BRDCST SVC—GBS .....	11,800	11,800
34	ENROUTE MISSION COMMAND (EMC) .....	8,609	8,609
	<b>COMM—C3 SYSTEM</b>		
38	COE TACTICAL SERVER INFRASTRUCTURE (TSI) .....	77,533	77,533
	<b>COMM—COMBAT COMMUNICATIONS</b>		
39	HANDHELD MANPACK SMALL FORM FIT (HMS) .....	468,026	468,026
40	RADIO TERMINAL SET, MIDS LVT(2) .....	23,778	23,778
44	SPIDER FAMILY OF NETWORKED MUNITIONS INCR .....	10,930	10,930
46	UNIFIED COMMAND SUITE .....	9,291	9,291
47	COTS COMMUNICATIONS EQUIPMENT .....	55,630	55,630
48	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE .....	16,590	16,590
49	ARMY COMMUNICATIONS & ELECTRONICS .....	43,457	43,457
	<b>COMM—INTELLIGENCE COMM</b>		
51	CI AUTOMATION ARCHITECTURE (MIP) .....	10,470	10,470
52	DEFENSE MILITARY DECEPTION INITIATIVE .....	3,704	3,704
	<b>INFORMATION SECURITY</b>		
53	FAMILY OF BIOMETRICS .....	1,000	1,000
54	INFORMATION SYSTEM SECURITY PROGRAM-ISSP .....	3,600	3,600
55	COMMUNICATIONS SECURITY (COMSEC) .....	160,899	160,899
56	DEFENSIVE CYBER OPERATIONS .....	61,962	61,962
57	INSIDER THREAT PROGRAM—UNIT ACTIVITY MONITO .....	756	756
58	PERSISTENT CYBER TRAINING ENVIRONMENT .....	3,000	3,000
	<b>COMM—LONG HAUL COMMUNICATIONS</b>		
59	BASE SUPPORT COMMUNICATIONS .....	31,770	31,770
	<b>COMM—BASE COMMUNICATIONS</b>		
60	INFORMATION SYSTEMS .....	159,009	159,009
61	EMERGENCY MANAGEMENT MODERNIZATION PROGRAM .....	4,854	4,854
62	HOME STATION MISSION COMMAND CENTERS (HSMCC) .....	47,174	47,174
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	297,994	297,994
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
66	JTT/CBS-M (MIP) .....	7,686	7,686
68	DCGS-A (MIP) .....	180,350	180,350
70	TROJAN (MIP) .....	17,368	17,368
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) .....	59,052	59,052
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		
77	LIGHTWEIGHT COUNTER MORTAR RADAR .....	5,400	5,400
78	EW PLANNING & MANAGEMENT TOOLS (EWPMT) .....	7,568	7,568
79	AIR VIGILANCE (AV) (MIP) .....	8,953	8,953
81	MULTI-FUNCTION ELECTRONIC WARFARE (MFEW) SYST .....	6,420	6,420
83	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES .....	501	501
84	CI MODERNIZATION (MIP) .....	121	121
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
85	SENTINEL MODS .....	115,210	115,210
86	NIGHT VISION DEVICES .....	236,604	236,604
88	SMALL TACTICAL OPTICAL RIFLE MOUNTED MLRF .....	22,623	22,623
90	INDIRECT FIRE PROTECTION FAMILY OF SYSTEMS .....	29,127	29,127
91	FAMILY OF WEAPON SIGHTS (FWS) .....	120,883	120,883
94	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....	265,667	265,667
95	JOINT EFFECTS TARGETING SYSTEM (JETS) .....	69,720	69,720
96	MOD OF IN-SVC EQUIP (LLDR) .....	6,044	6,044
97	COMPUTER BALLISTICS: LHMCB XM32 .....	3,268	3,268
98	MORTAR FIRE CONTROL SYSTEM .....	13,199	13,199
99	MORTAR FIRE CONTROL SYSTEMS MODIFICATIONS .....	10,000	10,000
100	COUNTERFIRE RADARS .....	16,416	78,916
	UPL Retrofits systems with GaN tech for ER .....		[62,500]
	<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>		
102	FIRE SUPPORT C2 FAMILY .....	13,197	13,197
103	AIR & MSL DEFENSE PLANNING & CONTROL SYS .....	24,730	24,730
104	IAMD BATTLE COMMAND SYSTEM .....	29,629	29,629
105	LIFE CYCLE SOFTWARE SUPPORT (LCSS) .....	6,774	6,774
106	NETWORK MANAGEMENT INITIALIZATION AND SERVICE .....	24,448	24,448

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
107	MANEUVER CONTROL SYSTEM (MCS) .....	260	260
108	GLOBAL COMBAT SUPPORT SYSTEM-ARMY (GCSS-A) .....	17,962	17,962
109	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (IPP) .....	18,674	0
	Poor business process reengineering .....		[-18,674]
110	RECONNAISSANCE AND SURVEYING INSTRUMENT SET .....	11,000	11,000
111	MOD OF IN-SVC EQUIPMENT (ENFIRE) .....	7,317	7,317
	<b>ELECT EQUIP—AUTOMATION</b>		
112	ARMY TRAINING MODERNIZATION .....	14,578	14,578
113	AUTOMATED DATA PROCESSING EQUIP .....	139,342	147,342
	JIOCEUR at RAF Molesworth .....		[8,000]
114	GENERAL FUND ENTERPRISE BUSINESS SYSTEMS FAM .....	15,802	15,802
115	HIGH PERF COMPUTING MOD PGM (HPCMP) .....	67,610	67,610
116	CONTRACT WRITING SYSTEM .....	15,000	0
	Program duplication .....		[-15,000]
117	CSS COMMUNICATIONS .....	24,700	24,700
118	RESERVE COMPONENT AUTOMATION SYS (RCAS) .....	27,879	27,879
	<b>ELECT EQUIP—AUDIO VISUAL SYS (A/V)</b>		
120	ITEMS LESS THAN \$5M (SURVEYING EQUIPMENT) .....	5,000	5,000
	<b>ELECT EQUIP—SUPPORT</b>		
122	BCT EMERGING TECHNOLOGIES .....	22,302	22,302
	<b>CLASSIFIED PROGRAMS</b>		
999	CLASSIFIED PROGRAMS .....	3,710	11,910
	Transfer back to base funding .....		[8,200]
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
126	CBRN DEFENSE .....	25,828	25,828
127	SMOKE & OBSCURANT FAMILY: SOF (NON AAO ITEM) .....	5,050	5,050
	<b>BRIDGING EQUIPMENT</b>		
128	TACTICAL BRIDGING .....	59,821	59,821
129	TACTICAL BRIDGE, FLOAT-RIBBON .....	57,661	57,661
130	BRIDGE SUPPLEMENTAL SET .....	17,966	17,966
131	COMMON BRIDGE TRANSPORTER (CBT) RECAP .....	43,155	43,155
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
132	HANDHELD STANDOFF MINEFIELD DETECTION SYS-HST .....	7,570	7,570
133	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS) .....	37,025	37,025
135	HUSKY MOUNTED DETECTION SYSTEM (HMDS) .....	83,082	83,082
136	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS) .....	2,000	2,000
137	EOD ROBOTICS SYSTEMS RECAPITALIZATION .....	23,115	23,115
138	ROBOTICS AND APPLIQUE SYSTEMS .....	101,056	113,856
	Army requested realignment .....		[12,800]
140	RENDER SAFE SETS KITS OUTFITS .....	18,684	18,684
142	FAMILY OF BOATS AND MOTORS .....	8,245	8,245
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
143	HEATERS AND ECU'S .....	7,336	7,336
145	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....	4,281	4,281
146	GROUND SOLDIER SYSTEM .....	111,955	111,955
147	MOBILE SOLDIER POWER .....	31,364	31,364
149	FIELD FEEDING EQUIPMENT .....	1,673	1,673
150	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....	43,622	43,622
151	FAMILY OF ENGR COMBAT AND CONSTRUCTION SETS .....	11,451	11,451
152	ITEMS LESS THAN \$5M (ENG SPT) .....	5,167	5,167
	<b>PETROLEUM EQUIPMENT</b>		
154	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	74,867	74,867
	<b>MEDICAL EQUIPMENT</b>		
155	COMBAT SUPPORT MEDICAL .....	68,225	68,225
	<b>MAINTENANCE EQUIPMENT</b>		
156	MOBILE MAINTENANCE EQUIPMENT SYSTEMS .....	55,053	55,053
157	ITEMS LESS THAN \$5.0M (MAINT EQ) .....	5,608	5,608
	<b>CONSTRUCTION EQUIPMENT</b>		
161	HYDRAULIC EXCAVATOR .....	500	500
162	TRACTOR, FULL TRACKED .....	4,835	4,835
163	ALL TERRAIN CRANES .....	23,936	23,936
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) .....	27,188	27,188
166	CONST EQUIP ESP .....	34,790	34,790
167	ITEMS LESS THAN \$5.0M (CONST EQUIP) .....	4,381	4,381
	<b>RAIL FLOAT CONTAINERIZATION EQUIPMENT</b>		
168	ARMY WATERCRAFT ESP .....	35,194	35,194
169	MANEUVER SUPPORT VESSEL (MSV) .....	14,185	14,185
170	ITEMS LESS THAN \$5.0M (FLOAT/RAIL) .....	6,920	6,920
	<b>GENERATORS</b>		
171	GENERATORS AND ASSOCIATED EQUIP .....	58,566	58,566
172	TACTICAL ELECTRIC POWER RECAPITALIZATION .....	14,814	14,814
	<b>MATERIAL HANDLING EQUIPMENT</b>		
173	FAMILY OF FORKLIFTS .....	14,864	14,864
	<b>TRAINING EQUIPMENT</b>		
174	COMBAT TRAINING CENTERS SUPPORT .....	123,411	123,411
175	TRAINING DEVICES, NONSYSTEM .....	220,707	220,707
176	SYNTHETIC TRAINING ENVIRONMENT (STE) .....	20,749	20,749
178	AVIATION COMBINED ARMS TACTICAL TRAINER .....	4,840	4,840

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
179	GAMING TECHNOLOGY IN SUPPORT OF ARMY TRAINING .....	15,463	15,463
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
180	CALIBRATION SETS EQUIPMENT .....	3,030	3,030
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	76,980	76,980
182	TEST EQUIPMENT MODERNIZATION (TEMOD) .....	16,415	16,415
	<b>OTHER SUPPORT EQUIPMENT</b>		
184	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT .....	9,877	9,877
185	PHYSICAL SECURITY SYSTEMS (OPA3) .....	82,158	82,158
186	BASE LEVEL COMMON EQUIPMENT .....	15,340	15,340
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....	50,458	50,458
189	BUILDING, PRE-FAB, RELOCATABLE .....	14,400	14,400
190	SPECIAL EQUIPMENT FOR USER TESTING .....	9,821	9,821
	<b>OPA2</b>		
192	INITIAL SPARES—C&E .....	9,757	9,757
	<b>TOTAL OTHER PROCUREMENT, ARMY</b> .....	<b>7,443,101</b>	<b>7,461,427</b>
	<b>AIRCRAFT PROCUREMENT, NAVY</b>		
	<b>COMBAT AIRCRAFT</b>		
1	F/A-18E/F (FIGHTER) HORNET .....	1,748,934	1,748,934
2	F/A-18E/F (FIGHTER) HORNET AP .....	55,128	55,128
3	JOINT STRIKE FIGHTER CV .....	2,272,301	2,487,301
	UPL USMC additional quantities .....		[215,000]
4	JOINT STRIKE FIGHTER CV AP .....	339,053	339,053
5	JSF STOVL .....	1,342,035	1,591,135
	UPL USMC additional quantities .....		[249,100]
6	JSF STOVL AP .....	291,804	291,804
7	CH-53K (HEAVY LIFT) .....	807,876	807,876
8	CH-53K (HEAVY LIFT) AP .....	215,014	215,014
9	V-22 (MEDIUM LIFT) .....	966,666	966,666
10	V-22 (MEDIUM LIFT) AP .....	27,104	27,104
11	H-1 UPGRADES (UH-1Y/AH-1Z) .....	62,003	62,003
13	MH-60R (MYP) .....	894	894
14	P-8A POSEIDON .....	1,206,701	1,206,701
16	E-2D ADV HAWKEYE .....	744,484	744,484
17	E-2D ADV HAWKEYE AP .....	190,204	190,204
	<b>TRAINER AIRCRAFT</b>		
19	ADVANCED HELICOPTER TRAINING SYSTEM .....	261,160	261,160
	<b>OTHER AIRCRAFT</b>		
20	KC-130J .....	240,840	240,840
21	KC-130J AP .....	66,061	66,061
22	F-5 .....	39,676	0
	Program cancellation .....		[-39,676]
23	MQ-4 TRITON .....	473,134	473,134
24	MQ-4 TRITON AP .....	20,139	20,139
25	MQ-8 UAV .....	44,957	44,957
26	STUASLO UAV .....	43,819	43,819
28	VH-92A EXECUTIVE HELO .....	658,067	658,067
	<b>MODIFICATION OF AIRCRAFT</b>		
29	AEA SYSTEMS .....	44,470	44,470
30	AV-8 SERIES .....	39,472	39,472
31	ADVERSARY .....	3,415	3,415
32	F-18 SERIES .....	1,207,089	1,207,089
33	H-53 SERIES .....	68,385	68,385
34	MH-60 SERIES .....	149,797	149,797
35	H-1 SERIES .....	114,059	114,059
36	EP-3 SERIES .....	8,655	8,655
38	E-2 SERIES .....	117,059	117,059
39	TRAINER A/C SERIES .....	5,616	5,616
40	C-2A .....	15,747	15,747
41	C-130 SERIES .....	122,671	122,671
42	FEWSG .....	509	509
43	CARGO/TRANSPORT A/C SERIES .....	8,767	8,767
44	E-6 SERIES .....	169,827	169,827
45	EXECUTIVE HELICOPTERS SERIES .....	8,933	8,933
47	T-45 SERIES .....	186,022	186,022
48	POWER PLANT CHANGES .....	16,136	16,136
49	JPATS SERIES .....	21,824	21,824
50	AVIATION LIFE SUPPORT MODS .....	39,762	39,762
51	COMMON ECM EQUIPMENT .....	162,839	162,839
52	COMMON AVIONICS CHANGES .....	102,107	102,107
53	COMMON DEFENSIVE WEAPON SYSTEM .....	2,100	2,100
54	ID SYSTEMS .....	41,437	41,437
55	P-8 SERIES .....	107,539	107,539
56	MAGTF EW FOR AVIATION .....	26,536	26,536
57	MQ-8 SERIES .....	34,686	34,686
58	V-22 (TILT/ROTOR ACFT) OSPREY .....	325,367	325,367
59	NEXT GENERATION JAMMER (NGJ) .....	6,223	6,223
60	F-35 STOVL SERIES .....	65,585	65,585

**SEC. 4101. PROCUREMENT**  
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<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
61	F-35 CV SERIES .....	15,358	15,358
62	QRC .....	165,016	165,016
63	MQ-4 SERIES .....	27,994	27,994
64	RQ-21 SERIES .....	66,282	66,282
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
67	SPARES AND REPAIR PARTS .....	2,166,788	2,235,088
	F-35B spares .....		[14,900]
	F-35C spares .....		[24,600]
	UPL F-35B engine .....		[28,800]
	<b>AIRCRAFT SUPPORT EQUIP &amp; FACILITIES</b>		
68	COMMON GROUND EQUIPMENT .....	491,025	491,025
69	AIRCRAFT INDUSTRIAL FACILITIES .....	71,335	71,335
70	WAR CONSUMABLES .....	41,086	41,086
72	SPECIAL SUPPORT EQUIPMENT .....	135,740	135,740
73	FIRST DESTINATION TRANSPORTATION .....	892	892
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY</b> .....	<b>18,522,204</b>	<b>19,014,928</b>
	<b>WEAPONS PROCUREMENT, NAVY</b>		
	<b>MODIFICATION OF MISSILES</b>		
1	TRIDENT II MODS .....	0	1,177,251
	Transfer back to base funding .....		[1,177,251]
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
2	MISSILE INDUSTRIAL FACILITIES .....	0	7,142
	Transfer back to base funding .....		[7,142]
	<b>STRATEGIC MISSILES</b>		
3	TOMAHAWK .....	0	330,430
	Transfer back to base funding .....		[386,730]
	Unjustified tooling and facilitization costs .....		[-56,300]
	<b>TACTICAL MISSILES</b>		
4	AMRAAM .....	0	224,502
	Transfer back to base funding .....		[224,502]
5	SIDEWINDER .....	0	119,456
	Transfer back to base funding .....		[119,456]
7	STANDARD MISSILE .....	0	404,523
	Transfer back to base funding .....		[404,523]
8	STANDARD MISSILE AP .....	0	96,085
	Transfer back to base funding .....		[96,085]
9	SMALL DIAMETER BOMB II .....	0	118,466
	Transfer back to base funding .....		[118,466]
10	RAM .....	0	106,765
	Transfer back to base funding .....		[106,765]
12	HELLFIRE .....	0	1,525
	Transfer back to base funding .....		[1,525]
15	AERIAL TARGETS .....	0	145,880
	Transfer back to base funding .....		[145,880]
16	DRONES AND DECOYS .....	0	20,000
	Transfer back to base funding .....		[20,000]
17	OTHER MISSILE SUPPORT .....	0	3,388
	Transfer back to base funding .....		[3,388]
18	LRASM .....	0	143,200
	Transfer back to base funding .....		[143,200]
19	LCS OTH MISSILE .....	0	18,137
	Transfer back to base funding .....		[38,137]
	Unjustified accelerated acquisition strategy .....		[-20,000]
	<b>MODIFICATION OF MISSILES</b>		
20	ESSM .....	0	128,059
	Transfer back to base funding .....		[128,059]
21	HARPOON MODS .....	0	25,447
	Transfer back to base funding .....		[25,447]
22	HARM MODS .....	0	183,740
	Transfer back to base funding .....		[183,740]
23	STANDARD MISSILES MODS .....	0	22,500
	Transfer back to base funding .....		[22,500]
	<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>		
24	WEAPONS INDUSTRIAL FACILITIES .....	0	1,958
	Transfer back to base funding .....		[1,958]
25	FLEET SATELLITE COMM FOLLOW-ON .....	0	67,380
	Transfer back to base funding .....		[67,380]
	<b>ORDNANCE SUPPORT EQUIPMENT</b>		
27	ORDNANCE SUPPORT EQUIPMENT .....	0	109,427
	Transfer back to base funding .....		[109,427]
	<b>TORPEDOES AND RELATED EQUIP</b>		
28	SSTD .....	0	5,561
	Transfer back to base funding .....		[5,561]
29	MK-48 TORPEDO .....	0	130,000
	Transfer back to base funding .....		[114,000]
	UPL additional quantities .....		[16,000]
30	ASW TARGETS .....	0	15,095

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Line	Item	FY 2020 Request	Senate Authorized
	Transfer back to base funding .....		[15,095]
	<b>MOD OF TORPEDOES AND RELATED EQUIP</b>		
31	MK-54 TORPEDO MODS .....	0	119,453
	Transfer back to base funding .....		[119,453]
32	MK-48 TORPEDO ADCAP MODS .....	0	39,508
	Transfer back to base funding .....		[39,508]
33	QUICKSTRIKE MINE .....	0	5,183
	Transfer back to base funding .....		[5,183]
	<b>SUPPORT EQUIPMENT</b>		
34	TORPEDO SUPPORT EQUIPMENT .....	0	79,028
	Transfer back to base funding .....		[79,028]
35	ASW RANGE SUPPORT .....	0	3,890
	Transfer back to base funding .....		[3,890]
	<b>DESTINATION TRANSPORTATION</b>		
36	FIRST DESTINATION TRANSPORTATION .....	0	3,803
	Transfer back to base funding .....		[3,803]
	<b>GUNS AND GUN MOUNTS</b>		
37	SMALL ARMS AND WEAPONS .....	0	14,797
	Transfer back to base funding .....		[14,797]
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>		
38	CIWS MODS .....	0	44,126
	Transfer back to base funding .....		[44,126]
39	COAST GUARD WEAPONS .....	0	44,980
	Transfer back to base funding .....		[44,980]
40	GUN MOUNT MODS .....	0	66,376
	Transfer back to base funding .....		[66,376]
41	LCS MODULE WEAPONS .....	0	14,585
	Transfer back to base funding .....		[14,585]
43	AIRBORNE MINE NEUTRALIZATION SYSTEMS .....	0	7,160
	Transfer back to base funding .....		[7,160]
	<b>SPARES AND REPAIR PARTS</b>		
45	SPARES AND REPAIR PARTS .....	0	126,138
	Transfer back to base funding .....		[126,138]
	<b>TOTAL WEAPONS PROCUREMENT, NAVY</b> .....	<b>0</b>	<b>4,174,944</b>
	 <b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>		
	<b>NAVY AMMUNITION</b>		
1	GENERAL PURPOSE BOMBS .....	0	36,028
	Transfer back to base funding .....		[36,028]
2	JDAM .....	0	70,413
	Transfer back to base funding .....		[70,413]
3	AIRBORNE ROCKETS, ALL TYPES .....	0	31,756
	Transfer back to base funding .....		[31,756]
4	MACHINE GUN AMMUNITION .....	0	4,793
	Transfer back to base funding .....		[4,793]
5	PRACTICE BOMBS .....	0	34,708
	Transfer back to base funding .....		[34,708]
6	CARTRIDGES & CART ACTUATED DEVICES .....	0	45,738
	Transfer back to base funding .....		[45,738]
7	AIR EXPENDABLE COUNTERMEASURES .....	0	77,301
	Transfer back to base funding .....		[77,301]
8	JATOS .....	0	7,262
	Transfer back to base funding .....		[7,262]
9	5 INCH/54 GUN AMMUNITION .....	0	22,594
	Transfer back to base funding .....		[22,594]
10	INTERMEDIATE CALIBER GUN AMMUNITION .....	0	37,193
	Transfer back to base funding .....		[37,193]
11	OTHER SHIP GUN AMMUNITION .....	0	39,491
	Transfer back to base funding .....		[39,491]
12	SMALL ARMS & LANDING PARTY AMMO .....	0	47,896
	Transfer back to base funding .....		[47,896]
13	PYROTECHNIC AND DEMOLITION .....	0	10,621
	Transfer back to base funding .....		[10,621]
15	AMMUNITION LESS THAN \$5 MILLION .....	0	2,386
	Transfer back to base funding .....		[2,386]
	<b>MARINE CORPS AMMUNITION</b>		
16	MORTARS .....	0	55,543
	Transfer back to base funding .....		[55,543]
17	DIRECT SUPPORT MUNITIONS .....	0	131,765
	Transfer back to base funding .....		[131,765]
18	INFANTRY WEAPONS AMMUNITION .....	0	78,056
	Transfer back to base funding .....		[78,056]
19	COMBAT SUPPORT MUNITIONS .....	0	40,048
	Transfer back to base funding .....		[40,048]
20	AMMO MODERNIZATION .....	0	14,325
	Transfer back to base funding .....		[14,325]
21	ARTILLERY MUNITIONS .....	0	188,876
	Transfer back to base funding .....		[188,876]

**SEC. 4101. PROCUREMENT**  
**(In Thousands of Dollars)**

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
22	ITEMS LESS THAN \$5 MILLION .....	0	4,521
	Transfer back to base funding .....		[4,521]
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</b> .....	<b>0</b>	<b>981,314</b>
	<b>SHIPBUILDING AND CONVERSION, NAVY</b>		
	<b>FLEET BALLISTIC MISSILE SHIPS</b>		
1	OHIO REPLACEMENT SUBMARINE AP .....	1,698,907	1,823,907
	Submarine industrial base expansion .....		[125,000]
	<b>OTHER WARSHIPS</b>		
2	CARRIER REPLACEMENT PROGRAM .....	2,347,000	2,347,000
3	VIRGINIA CLASS SUBMARINE .....	7,155,946	4,691,946
	Restore VPM on SSN-804 .....		[522,100]
	SSN-812 full funding early to need .....		[-2,986,100]
4	VIRGINIA CLASS SUBMARINE AP .....	2,769,552	4,269,552
	Future Virginia-class submarine(s) with VPM .....		[1,500,000]
5	CVN REFUELING OVERHAULS .....	647,926	597,926
	CVN-74 RCOH unjustified cost growth .....		[-50,000]
6	CVN REFUELING OVERHAULS AP .....	0	16,900
	Restore CVN-75 RCOH .....		[16,900]
7	DDG 1000 .....	155,944	155,944
8	DDG-51 .....	5,099,295	5,079,295
	Available prior year funds .....		[-20,000]
9	DDG-51 AP .....	224,028	484,028
	Accelerate LLTM for FY21 Flight III destroyers .....		[260,000]
11	FFG-FRIGATE .....	1,281,177	1,281,177
	<b>AMPHIBIOUS SHIPS</b>		
12	LPD FLIGHT II .....	0	525,000
	LPD-31 program increase .....		[277,900]
	Transfer from SCN line 13 .....		[247,100]
13	LPD FLIGHT II AP .....	247,100	0
	Transfer to SCN line 12 .....		[-247,100]
15	LHA REPLACEMENT .....	0	650,000
	LHA-9 program increase .....		[650,000]
	<b>AUXILIARIES, CRAFT AND PRIOR YR PROGRAM COST</b>		
18	TAO FLEET OILER .....	981,215	981,215
19	TAO FLEET OILER AP .....	73,000	73,000
20	TOWING, SALVAGE, AND RESCUE SHIP (ATS) .....	150,282	150,282
22	LCU 1700 .....	85,670	85,670
23	OUTFITTING .....	754,679	704,679
	Early to need and unjustified cost growth .....		[-50,000]
25	SERVICE CRAFT .....	56,289	81,789
	Accelerate YP-703 Flight II .....		[25,500]
28	COMPLETION OF PY SHIPBUILDING PROGRAMS .....	55,700	104,700
	UPL EPF-14 conversion .....		[49,000]
29	SHIP TO SHORE CONNECTOR AP .....	0	40,400
	Program increase .....		[40,400]
	<b>TOTAL SHIPBUILDING AND CONVERSION, NAVY</b> .....	<b>23,783,710</b>	<b>24,144,410</b>
	<b>OTHER PROCUREMENT, NAVY</b>		
	<b>SHIP PROPULSION EQUIPMENT</b>		
1	SURFACE POWER EQUIPMENT .....	14,490	14,490
	<b>GENERATORS</b>		
2	SURFACE COMBATANT HM&E .....	31,583	50,583
	UPL DDG-51 class HM&E upgrades .....		[19,000]
	<b>NAVIGATION EQUIPMENT</b>		
3	OTHER NAVIGATION EQUIPMENT .....	77,404	77,404
	<b>OTHER SHIPBOARD EQUIPMENT</b>		
4	SUB PERISCOPE, IMAGING AND SUPT EQUIP PROG .....	160,803	160,803
5	DDG MOD .....	566,140	566,140
6	FIREFIGHTING EQUIPMENT .....	18,223	18,223
7	COMMAND AND CONTROL SWITCHBOARD .....	2,086	2,086
8	LHA/LHD MIDLIFE .....	95,651	95,651
9	POLLUTION CONTROL EQUIPMENT .....	23,910	23,910
10	SUBMARINE SUPPORT EQUIPMENT .....	44,895	44,895
11	VIRGINIA CLASS SUPPORT EQUIPMENT .....	28,465	28,465
12	LCS CLASS SUPPORT EQUIPMENT .....	19,426	19,426
13	SUBMARINE BATTERIES .....	26,290	26,290
14	LPD CLASS SUPPORT EQUIPMENT .....	46,945	46,945
15	DDG 1000 CLASS SUPPORT EQUIPMENT .....	9,930	9,930
16	STRATEGIC PLATFORM SUPPORT EQUIP .....	14,331	14,331
17	DSSP EQUIPMENT .....	2,909	2,909
18	CG MODERNIZATION .....	193,990	193,990
19	LCAC .....	3,392	3,392
20	UNDERWATER EOD PROGRAMS .....	71,240	82,240
	Program increase for four ExMCM companies .....		[11,000]
21	ITEMS LESS THAN \$5 MILLION .....	102,543	102,543
22	CHEMICAL WARFARE DETECTORS .....	2,961	2,961
23	SUBMARINE LIFE SUPPORT SYSTEM .....	6,635	6,635

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Line	Item	FY 2020 Request	Senate Authorized
	<b>REACTOR PLANT EQUIPMENT</b>		
24	REACTOR POWER UNITS .....	5,340	5,340
25	REACTOR COMPONENTS .....	465,726	465,726
	<b>OCEAN ENGINEERING</b>		
26	DIVING AND SALVAGE EQUIPMENT .....	11,854	11,854
	<b>SMALL BOATS</b>		
27	STANDARD BOATS .....	79,102	79,102
	<b>PRODUCTION FACILITIES EQUIPMENT</b>		
28	OPERATING FORCES IPE .....	202,238	202,238
	<b>OTHER SHIP SUPPORT</b>		
29	LCS COMMON MISSION MODULES EQUIPMENT .....	51,553	51,553
30	LCS MCM MISSION MODULES .....	197,129	67,329
	Procurement ahead of satisfactory testing .....		[-129,800]
31	LCS ASW MISSION MODULES .....	27,754	27,754
32	LCS SUW MISSION MODULES .....	26,566	26,566
33	LCS IN-SERVICE MODERNIZATION .....	84,972	84,972
34	SMALL & MEDIUM UUV .....	40,547	10,647
	Knife-fish procurement ahead of satisfactory testing .....		[-29,900]
	<b>LOGISTIC SUPPORT</b>		
35	LSD MIDLIFE & MODERNIZATION .....	40,269	40,269
	<b>SHIP SONARS</b>		
36	SPQ-9B RADAR .....	26,195	26,195
37	AN/SQQ-89 SURF ASW COMBAT SYSTEM .....	125,237	125,237
38	SSN ACOUSTIC EQUIPMENT .....	366,968	366,968
39	UNDERSEA WARFARE SUPPORT EQUIPMENT .....	8,967	8,967
	<b>ASW ELECTRONIC EQUIPMENT</b>		
40	SUBMARINE ACOUSTIC WARFARE SYSTEM .....	23,545	23,545
41	SSTD .....	12,439	12,439
42	FIXED SURVEILLANCE SYSTEM .....	128,441	128,441
43	SURTASS .....	21,923	21,923
	<b>ELECTRONIC WARFARE EQUIPMENT</b>		
44	AN/SLQ-32 .....	420,154	358,154
	Early to need .....		[-62,000]
	<b>RECONNAISSANCE EQUIPMENT</b>		
45	SHIPBOARD IW EXPLOIT .....	194,758	202,758
	UPL SSEE expansion on Flight I DDGs .....		[8,000]
46	AUTOMATED IDENTIFICATION SYSTEM (AIS) .....	5,368	5,368
	<b>OTHER SHIP ELECTRONIC EQUIPMENT</b>		
47	COOPERATIVE ENGAGEMENT CAPABILITY .....	35,128	35,128
48	NAVAL TACTICAL COMMAND SUPPORT SYSTEM (NTCSS) .....	15,154	15,154
49	ATDLS .....	52,753	52,753
50	NAVY COMMAND AND CONTROL SYSTEM (NCCS) .....	3,390	3,390
51	MINESWEEPING SYSTEM REPLACEMENT .....	19,448	19,448
52	SHALLOW WATER MCM .....	8,730	8,730
53	NAVSTAR GPS RECEIVERS (SPACE) .....	32,674	32,674
54	AMERICAN FORCES RADIO AND TV SERVICE .....	2,617	2,617
55	STRATEGIC PLATFORM SUPPORT EQUIP .....	7,973	7,973
	<b>AVIATION ELECTRONIC EQUIPMENT</b>		
56	ASHORE ATC EQUIPMENT .....	72,406	72,406
57	AFLOAT ATC EQUIPMENT .....	67,410	67,410
58	ID SYSTEMS .....	26,059	26,059
59	JOINT PRECISION APPROACH AND LANDING SYSTEM ( .....	92,695	92,695
60	NAVAL MISSION PLANNING SYSTEMS .....	15,296	15,296
	<b>OTHER SHORE ELECTRONIC EQUIPMENT</b>		
61	TACTICAL/MOBILE C4I SYSTEMS .....	36,226	36,226
62	DCGS-N .....	21,788	21,788
63	CANES .....	426,654	426,654
64	RADIAC .....	6,450	6,450
65	CANES-INTELL .....	52,713	52,713
66	GPETE .....	13,028	13,028
67	MASF .....	5,193	5,193
68	INTEG COMBAT SYSTEM TEST FACILITY .....	6,028	6,028
69	EMI CONTROL INSTRUMENTATION .....	4,209	4,209
70	ITEMS LESS THAN \$5 MILLION .....	168,436	144,636
	NGSSR early to need .....		[-23,800]
	<b>SHIPBOARD COMMUNICATIONS</b>		
71	SHIPBOARD TACTICAL COMMUNICATIONS .....	55,853	55,853
72	SHIP COMMUNICATIONS AUTOMATION .....	137,861	137,861
73	COMMUNICATIONS ITEMS UNDER \$5M .....	35,093	35,093
	<b>SUBMARINE COMMUNICATIONS</b>		
74	SUBMARINE BROADCAST SUPPORT .....	50,833	50,833
75	SUBMARINE COMMUNICATION EQUIPMENT .....	69,643	69,643
	<b>SATELLITE COMMUNICATIONS</b>		
76	SATELLITE COMMUNICATIONS SYSTEMS .....	45,841	45,841
77	NAVY MULTIBAND TERMINAL (NMT) .....	88,021	88,021
	<b>SHORE COMMUNICATIONS</b>		
78	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	4,293	4,293
	<b>CRYPTOGRAPHIC EQUIPMENT</b>		

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<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
79	INFO SYSTEMS SECURITY PROGRAM (ISSP) .....	166,540	166,540
80	MIO INTEL EXPLOITATION TEAM .....	968	968
	<b>CRYPTOLOGIC EQUIPMENT</b>		
81	CRYPTOLOGIC COMMUNICATIONS EQUIP .....	13,090	13,090
	<b>OTHER ELECTRONIC SUPPORT</b>		
83	COAST GUARD EQUIPMENT .....	61,370	61,370
	<b>SONOBUOYS</b>		
85	SONOBUOYS—ALL TYPES .....	260,644	310,644
	UPL Sonobuoy increase .....		[50,000]
	<b>AIRCRAFT SUPPORT EQUIPMENT</b>		
86	MINOTAUR .....	5,000	5,000
87	WEAPONS RANGE SUPPORT EQUIPMENT .....	101,843	101,843
88	AIRCRAFT SUPPORT EQUIPMENT .....	145,601	145,601
89	ADVANCED ARRESTING GEAR (AAG) .....	4,725	4,725
90	METEOROLOGICAL EQUIPMENT .....	14,687	14,687
92	LEGACY AIRBORNE MCM .....	19,250	19,250
93	LAMPS EQUIPMENT .....	792	792
94	AVIATION SUPPORT EQUIPMENT .....	55,415	55,415
95	UMCS-UNMAN CARRIER AVIATION(UCA)MISSION CNTRL .....	32,668	32,668
	<b>SHIP GUN SYSTEM EQUIPMENT</b>		
96	SHIP GUN SYSTEMS EQUIPMENT .....	5,451	5,451
	<b>SHIP MISSILE SYSTEMS EQUIPMENT</b>		
97	HARPOON SUPPORT EQUIPMENT .....	1,100	1,100
98	SHIP MISSILE SUPPORT EQUIPMENT .....	228,104	228,104
99	TOMAHAWK SUPPORT EQUIPMENT .....	78,593	78,593
	<b>FBM SUPPORT EQUIPMENT</b>		
100	STRATEGIC MISSILE SYSTEMS EQUIP .....	280,510	280,510
	<b>ASW SUPPORT EQUIPMENT</b>		
101	SSN COMBAT CONTROL SYSTEMS .....	148,547	148,547
102	ASW SUPPORT EQUIPMENT .....	21,130	21,130
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>		
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	15,244	15,244
104	ITEMS LESS THAN \$5 MILLION .....	5,071	5,071
	<b>OTHER EXPENDABLE ORDNANCE</b>		
105	ANTI-SHIP MISSILE DECOY SYSTEM .....	41,962	41,962
106	SUBMARINE TRAINING DEVICE MODS .....	75,057	75,057
107	SURFACE TRAINING EQUIPMENT .....	233,175	233,175
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>		
108	PASSENGER CARRYING VEHICLES .....	4,562	4,562
109	GENERAL PURPOSE TRUCKS .....	10,974	10,974
110	CONSTRUCTION & MAINTENANCE EQUIP .....	43,191	43,191
111	FIRE FIGHTING EQUIPMENT .....	21,142	21,142
112	TACTICAL VEHICLES .....	33,432	33,432
114	POLLUTION CONTROL EQUIPMENT .....	2,633	2,633
115	ITEMS UNDER \$5 MILLION .....	53,467	53,467
116	PHYSICAL SECURITY VEHICLES .....	1,173	1,173
	<b>SUPPLY SUPPORT EQUIPMENT</b>		
117	SUPPLY EQUIPMENT .....	16,730	16,730
118	FIRST DESTINATION TRANSPORTATION .....	5,389	5,389
119	SPECIAL PURPOSE SUPPLY SYSTEMS .....	654,674	654,674
	<b>TRAINING DEVICES</b>		
120	TRAINING SUPPORT EQUIPMENT .....	3,633	3,633
121	TRAINING AND EDUCATION EQUIPMENT .....	97,636	97,636
	<b>COMMAND SUPPORT EQUIPMENT</b>		
122	COMMAND SUPPORT EQUIPMENT .....	66,102	59,779
	Program duplication .....		[-6,323]
123	MEDICAL SUPPORT EQUIPMENT .....	3,633	3,633
125	NAVAL MIP SUPPORT EQUIPMENT .....	6,097	6,097
126	OPERATING FORCES SUPPORT EQUIPMENT .....	16,905	16,905
127	C4ISR EQUIPMENT .....	30,146	30,146
128	ENVIRONMENTAL SUPPORT EQUIPMENT .....	21,986	21,986
129	PHYSICAL SECURITY EQUIPMENT .....	160,046	160,046
130	ENTERPRISE INFORMATION TECHNOLOGY .....	56,899	56,899
	<b>OTHER</b>		
133	NEXT GENERATION ENTERPRISE SERVICE .....	122,832	122,832
	<b>CLASSIFIED PROGRAMS</b>		
999	CLASSIFIED PROGRAMS .....	16,346	16,346
	<b>SPARES AND REPAIR PARTS</b>		
134	SPARES AND REPAIR PARTS .....	375,608	375,608
	<b>TOTAL OTHER PROCUREMENT, NAVY</b> .....	<b>9,652,956</b>	<b>9,489,133</b>
	<b>PROCUREMENT, MARINE CORPS</b>		
	<b>TRACKED COMBAT VEHICLES</b>		
1	AAV7A1 PIP .....	39,495	39,495
2	AMPHIBIOUS COMBAT VEHICLE 1.1 .....	317,935	317,935
3	LAV PIP .....	60,734	60,734
	<b>ARTILLERY AND OTHER WEAPONS</b>		
4	155MM LIGHTWEIGHT TOWED HOWITZER .....	25,065	25,065

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
5	ARTILLERY WEAPONS SYSTEM .....	100,002	100,002
6	WEAPONS AND COMBAT VEHICLES UNDER \$5 MILLION .....	31,945	31,945
	<b>OTHER SUPPORT</b>		
7	MODIFICATION KITS .....	22,760	22,760
	<b>GUIDED MISSILES</b>		
8	GROUND BASED AIR DEFENSE .....	175,998	175,998
9	ANTI-ARMOR MISSILE-JAVELIN .....	20,207	20,207
10	FAMILY ANTI-ARMOR WEAPON SYSTEMS (FOAAWS) .....	21,913	21,913
11	ANTI-ARMOR MISSILE-TOW .....	60,501	60,501
12	GUIDED MLRS ROCKET (GMLRS) .....	29,062	29,062
	<b>COMMAND AND CONTROL SYSTEMS</b>		
13	COMMON AVIATION COMMAND AND CONTROL SYSTEM (C) .....	37,203	37,203
	<b>REPAIR AND TEST EQUIPMENT</b>		
14	REPAIR AND TEST EQUIPMENT .....	55,156	55,156
	<b>OTHER SUPPORT (TEL)</b>		
15	MODIFICATION KITS .....	4,945	4,945
	<b>COMMAND AND CONTROL SYSTEM (NON-TEL)</b>		
16	ITEMS UNDER \$5 MILLION (COMM & ELEC) .....	112,124	112,124
17	AIR OPERATIONS C2 SYSTEMS .....	17,408	17,408
	<b>RADAR + EQUIPMENT (NON-TEL)</b>		
18	RADAR SYSTEMS .....	329	329
19	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	273,022	273,022
	<b>INTELL/COMM EQUIPMENT (NON-TEL)</b>		
21	GCSS-MC .....	4,484	4,484
22	FIRE SUPPORT SYSTEM .....	35,488	35,488
23	INTELLIGENCE SUPPORT EQUIPMENT .....	56,896	56,896
25	UNMANNED AIR SYSTEMS (INTEL) .....	34,711	34,711
26	DCGS-MC .....	32,562	32,562
	<b>OTHER SUPPORT (NON-TEL)</b>		
30	NEXT GENERATION ENTERPRISE NETWORK (NGEN) .....	114,901	114,901
31	COMMON COMPUTER RESOURCES .....	51,094	51,094
32	COMMAND POST SYSTEMS .....	108,897	108,897
33	RADIO SYSTEMS .....	227,320	227,320
34	COMM SWITCHING & CONTROL SYSTEMS .....	31,685	31,685
35	COMM & ELEC INFRASTRUCTURE SUPPORT .....	21,140	21,140
36	CYBERSPACE ACTIVITIES .....	27,632	27,632
	<b>CLASSIFIED PROGRAMS</b>		
999	CLASSIFIED PROGRAMS .....	5,535	5,535
	<b>ADMINISTRATIVE VEHICLES</b>		
37	COMMERCIAL CARGO VEHICLES .....	28,913	28,913
	<b>TACTICAL VEHICLES</b>		
38	MOTOR TRANSPORT MODIFICATIONS .....	19,234	19,234
39	JOINT LIGHT TACTICAL VEHICLE .....	558,107	558,107
40	FAMILY OF TACTICAL TRAILERS .....	2,693	2,693
	<b>ENGINEER AND OTHER EQUIPMENT</b>		
41	ENVIRONMENTAL CONTROL EQUIP ASSORT .....	495	495
42	TACTICAL FUEL SYSTEMS .....	52	52
43	POWER EQUIPMENT ASSORTED .....	22,441	22,441
44	AMPHIBIOUS SUPPORT EQUIPMENT .....	7,101	7,101
45	EOD SYSTEMS .....	44,700	44,700
	<b>MATERIALS HANDLING EQUIPMENT</b>		
46	PHYSICAL SECURITY EQUIPMENT .....	15,404	15,404
	<b>GENERAL PROPERTY</b>		
47	FIELD MEDICAL EQUIPMENT .....	2,898	2,898
48	TRAINING DEVICES .....	149,567	149,567
49	FAMILY OF CONSTRUCTION EQUIPMENT .....	35,622	35,622
50	ULTRA-LIGHT TACTICAL VEHICLE (ULTV) .....	647	647
	<b>OTHER SUPPORT</b>		
51	ITEMS LESS THAN \$5 MILLION .....	10,956	10,956
	<b>SPARES AND REPAIR PARTS</b>		
52	SPARES AND REPAIR PARTS .....	33,470	33,470
	<b>TOTAL PROCUREMENT, MARINE CORPS</b> .....	<b>3,090,449</b>	<b>3,090,449</b>
	<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>		
	<b>TACTICAL FORCES</b>		
1	F-35 .....	4,274,359	5,364,359
	UPL additional quantities .....		[1,090,000]
2	F-35 AP .....	655,500	811,500
	UPL increase .....		[156,000]
3	F-15E .....	1,050,000	888,000
	NRE cost on a non-developmental A/C .....		[-162,000]
	<b>TACTICAL AIRLIFT</b>		
5	KC-46A MDAP .....	2,234,529	2,705,529
	UPL additional quantities .....		[471,000]
	<b>OTHER AIRLIFT</b>		
6	C-130J .....	12,156	12,156
8	MC-130J .....	871,207	871,207
9	MC-130J AP .....	40,000	40,000

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
	<b>HELICOPTERS</b>		
10	COMBAT RESCUE HELICOPTER .....	884,235	884,235
	<b>MISSION SUPPORT AIRCRAFT</b>		
11	C-37A .....	161,000	161,000
12	CIVIL AIR PATROL A/C .....	2,767	2,767
	<b>OTHER AIRCRAFT</b>		
14	TARGET DRONES .....	130,837	130,837
15	COMPASS CALL .....	114,095	114,095
17	MQ-9 .....	189,205	189,205
	<b>STRATEGIC AIRCRAFT</b>		
19	B-2A .....	9,582	9,582
20	B-1B .....	22,111	22,111
21	B-52 .....	69,648	69,648
22	LARGE AIRCRAFT INFRARED COUNTERMEASURES .....	43,758	43,758
	<b>TACTICAL AIRCRAFT</b>		
23	A-10 .....	132,069	132,069
24	E-11 BACN/HAG .....	70,027	70,027
25	F-15 .....	481,073	328,073
	ADCP unnecessary due to F-15X .....		[-75,100]
	IFF unnecessary due to F-15X .....		[-29,600]
	Longerons unnecessary due to F-15X .....		[-24,600]
	Radar unnecessary due to F-15X .....		[-23,700]
26	F-16 .....	234,782	309,782
	Additional radars .....		[75,000]
28	F-22A .....	323,597	323,597
30	F-35 MODIFICATIONS .....	343,590	343,590
31	F-15 EPAW .....	149,047	81,847
	Not required because of F-15X .....		[-67,200]
32	INCREMENT 3.2B .....	20,213	20,213
33	KC-46A MDAP .....	10,213	10,213
	<b>AIRLIFT AIRCRAFT</b>		
34	C-5 .....	73,550	73,550
36	C-17A .....	60,244	60,244
37	C-21 .....	216	216
38	C-32A .....	11,511	11,511
39	C-37A .....	435	435
	<b>TRAINER AIRCRAFT</b>		
40	GLIDER MODS .....	138	138
41	T-6 .....	11,826	11,826
42	T-1 .....	26,787	26,787
43	T-38 .....	37,341	37,341
	<b>OTHER AIRCRAFT</b>		
44	U-2 MODS .....	86,896	86,896
45	KC-10A (ATCA) .....	2,108	2,108
46	C-12 .....	3,021	3,021
47	VC-25A MOD .....	48,624	48,624
48	C-40 .....	256	256
49	C-130 .....	52,066	52,066
50	C-130J MODS .....	141,686	141,686
51	C-135 .....	124,491	124,491
53	COMPASS CALL .....	110,754	110,754
54	COMBAT FLIGHT INSPECTION—CFIN .....	508	508
55	RC-135 .....	227,673	227,673
56	E-3 .....	216,299	216,299
57	E-4 .....	58,477	58,477
58	E-8 .....	28,778	58,778
	SATCOM radios .....		[30,000]
59	AIRBORNE WARNING AND CNTRL SYS (AWACS) 40/45 .....	36,000	36,000
60	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	7,910	7,910
61	H-1 .....	3,817	3,817
62	H-60 .....	20,879	20,879
63	RQ-4 MODS .....	1,704	1,704
64	HC/MC-130 MODIFICATIONS .....	51,482	51,482
65	OTHER AIRCRAFT .....	50,098	50,098
66	MQ-9 MODS .....	383,594	383,594
68	CV-22 MODS .....	65,348	65,348
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
69	INITIAL SPARES/REPAIR PARTS .....	708,230	970,230
	F-35 spares .....		[96,000]
	KC-46 spares .....		[141,000]
	RQ-4 .....		[25,000]
	<b>COMMON SUPPORT EQUIPMENT</b>		
72	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	84,938	84,938
	<b>POST PRODUCTION SUPPORT</b>		
73	B-2A .....	1,403	1,403
74	B-2B .....	42,234	42,234
75	B-52 .....	4,641	4,641
76	C-17A .....	124,805	124,805

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
79	F-15 .....	2,589	2,589
81	F-16 .....	15,348	15,348
84	RQ-4 POST PRODUCTION CHARGES .....	47,246	47,246
	<b>INDUSTRIAL PREPAREDNESS</b>		
86	INDUSTRIAL RESPONSIVENESS .....	17,705	17,705
	<b>WAR CONSUMABLES</b>		
87	WAR CONSUMABLES .....	32,102	32,102
	<b>OTHER PRODUCTION CHARGES</b>		
88	OTHER PRODUCTION CHARGES .....	1,194,728	1,194,728
	<b>CLASSIFIED PROGRAMS</b>		
999	CLASSIFIED PROGRAMS .....	34,193	34,193
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>16,784,279</b>	<b>18,486,079</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>MISSILE REPLACEMENT EQUIPMENT—BALLISTIC</b>		
1	MISSILE REPLACEMENT EQ-BALLISTIC .....	55,888	55,888
	<b>TACTICAL</b>		
2	REPLAC EQUIP & WAR CONSUMABLES .....	9,100	9,100
3	JOINT AIR-TO-GROUND MUNITION .....	15,000	15,000
4	JOINT AIR-SURFACE STANDOFF MISSILE .....	482,525	482,525
6	SIDEWINDER (AIM-9X) .....	160,408	160,408
7	AMRAAM .....	332,250	332,250
8	PREDATOR HELLFIRE MISSILE .....	118,860	118,860
9	SMALL DIAMETER BOMB .....	275,438	275,438
10	SMALL DIAMETER BOMB II .....	212,434	212,434
	<b>INDUSTRIAL FACILITIES</b>		
11	INDUSTRIAL PREPAREDNS/POL PREVENTION .....	801	801
	<b>CLASS IV</b>		
12	ICBM FUZE MOD .....	5,000	5,000
13	ICBM FUZE MOD AP .....	14,497	14,497
14	MM III MODIFICATIONS .....	50,831	59,731
	Air Force requested transfer .....		[8,900]
15	AGM-65D MAVERICK .....	294	294
16	AIR LAUNCH CRUISE MISSILE (ALCM) .....	77,387	68,487
	Air Force requested transfer .....		[-8,900]
	<b>MISSILE SPARES AND REPAIR PARTS</b>		
18	MSL SPRS/REPAIR PARTS (INITIAL) .....	1,910	1,910
19	REPLEN SPARES/REPAIR PARTS .....	82,490	82,490
	<b>SPECIAL PROGRAMS</b>		
23	SPECIAL UPDATE PROGRAMS .....	144,553	144,553
	<b>CLASSIFIED PROGRAMS</b>		
999	CLASSIFIED PROGRAMS .....	849,521	849,521
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b> .....	<b>2,889,187</b>	<b>2,889,187</b>
	<b>SPACE PROCUREMENT, AIR FORCE</b>		
	<b>SPACE PROGRAMS</b>		
1	ADVANCED EHF .....	31,894	31,894
2	AF SATELLITE COMM SYSTEM .....	56,298	56,298
4	COUNTERSPACE SYSTEMS .....	5,700	5,700
5	FAMILY OF BEYOND LINE-OF-SIGHT TERMINALS .....	34,020	34,020
7	GENERAL INFORMATION TECH—SPACE .....	3,244	3,244
8	GPSIII FOLLOW ON .....	414,625	414,625
9	GPS III SPACE SEGMENT .....	31,466	31,466
12	SPACEBORNE EQUIP (COMSEC) .....	32,031	32,031
13	MILSATCOM .....	11,096	11,096
15	EVOLVED EXPENDABLE LAUNCH VEH(SPACE) .....	1,237,635	1,237,635
16	SBIR HIGH (SPACE) .....	233,952	233,952
17	NUDET DETECTION SYSTEM .....	7,432	7,432
18	ROCKET SYSTEMS LAUNCH PROGRAM .....	11,473	11,473
19	SPACE FENCE .....	71,784	71,784
20	SPACE MODS .....	106,330	106,330
21	SPACELIFT RANGE SYSTEM SPACE .....	118,140	118,140
	<b>SPARES</b>		
22	SPARES AND REPAIR PARTS .....	7,263	7,263
	<b>TOTAL SPACE PROCUREMENT, AIR FORCE</b> .....	<b>2,414,383</b>	<b>2,414,383</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>ROCKETS</b>		
1	ROCKETS .....	0	133,268
	Transfer back to base funding .....		[133,268]
	<b>CARTRIDGES</b>		
2	CARTRIDGES .....	0	140,449
	Transfer back to base funding .....		[140,449]
	<b>BOMBS</b>		
3	PRACTICE BOMBS .....	0	29,313
	Transfer back to base funding .....		[29,313]
4	GENERAL PURPOSE BOMBS .....	0	85,885
	Transfer back to base funding .....		[85,885]

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
6	JOINT DIRECT ATTACK MUNITION .....	0	1,066,224
	Transfer back to base funding .....		[1,066,224]
7	B61 .....	0	80,773
	Transfer back to base funding .....		[80,773]
	<b>OTHER ITEMS</b>		
9	CAD/PAD .....	0	47,069
	Transfer back to base funding .....		[47,069]
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD) .....	0	6,133
	Transfer back to base funding .....		[6,133]
11	SPARES AND REPAIR PARTS .....	0	533
	Transfer back to base funding .....		[533]
12	MODIFICATIONS .....	0	1,291
	Transfer back to base funding .....		[1,291]
13	ITEMS LESS THAN \$5,000,000 .....	0	1,677
	Transfer back to base funding .....		[1,677]
	<b>FLARES</b>		
15	FLARES .....	0	36,116
	Transfer back to base funding .....		[36,116]
	<b>FUZES</b>		
16	FUZES .....	0	1,734
	Transfer back to base funding .....		[1,734]
	<b>SMALL ARMS</b>		
17	SMALL ARMS .....	0	37,496
	Transfer back to base funding .....		[37,496]
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</b> .....	<b>0</b>	<b>1,667,961</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>		
	<b>PASSENGER CARRYING VEHICLES</b>		
1	PASSENGER CARRYING VEHICLES .....	15,238	15,238
	<b>CARGO AND UTILITY VEHICLES</b>		
2	MEDIUM TACTICAL VEHICLE .....	34,616	34,616
3	CAP VEHICLES .....	1,040	1,040
4	CARGO AND UTILITY VEHICLES .....	23,133	23,133
	<b>SPECIAL PURPOSE VEHICLES</b>		
5	JOINT LIGHT TACTICAL VEHICLE .....	32,027	32,027
6	SECURITY AND TACTICAL VEHICLES .....	1,315	1,315
7	SPECIAL PURPOSE VEHICLES .....	14,593	14,593
	<b>FIRE FIGHTING EQUIPMENT</b>		
8	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	28,604	28,604
	<b>MATERIALS HANDLING EQUIPMENT</b>		
9	MATERIALS HANDLING VEHICLES .....	21,848	21,848
	<b>BASE MAINTENANCE SUPPORT</b>		
10	RUNWAY SNOW REMOV AND CLEANING EQU .....	2,925	2,925
11	BASE MAINTENANCE SUPPORT VEHICLES .....	55,776	55,776
	<b>COMM SECURITY EQUIPMENT(COMSEC)</b>		
13	COMSEC EQUIPMENT .....	91,461	91,461
	<b>INTELLIGENCE PROGRAMS</b>		
14	INTERNATIONAL INTEL TECH & ARCHITECTURES .....	11,386	11,386
15	INTELLIGENCE TRAINING EQUIPMENT .....	7,619	7,619
16	INTELLIGENCE COMM EQUIPMENT .....	35,558	35,558
	<b>ELECTRONICS PROGRAMS</b>		
17	AIR TRAFFIC CONTROL & LANDING SYS .....	17,939	17,939
19	BATTLE CONTROL SYSTEM—FIXED .....	3,063	3,063
21	WEATHER OBSERVATION FORECAST .....	31,447	31,447
22	STRATEGIC COMMAND AND CONTROL .....	5,090	5,090
23	CHEYENNE MOUNTAIN COMPLEX .....	10,145	10,145
24	MISSION PLANNING SYSTEMS .....	14,508	14,508
26	INTEGRATED STRAT PLAN & ANALY NETWORK (ISPAN) .....	9,901	9,901
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>		
27	GENERAL INFORMATION TECHNOLOGY .....	26,933	26,933
28	AF GLOBAL COMMAND & CONTROL SYS .....	2,756	2,756
29	BATTLEFIELD AIRBORNE CONTROL NODE (BACN) .....	48,478	48,478
30	MOBILITY COMMAND AND CONTROL .....	21,186	21,186
31	AIR FORCE PHYSICAL SECURITY SYSTEM .....	178,361	178,361
32	COMBAT TRAINING RANGES .....	233,993	261,993
	Joint threat emitters .....		[28,000]
33	MINIMUM ESSENTIAL EMERGENCY COMM N .....	132,648	132,648
34	WIDE AREA SURVEILLANCE (WAS) .....	80,818	80,818
35	C3 COUNTERMEASURES .....	25,036	25,036
36	INTEGRATED PERSONNEL AND PAY SYSTEM .....	20,900	0
	Poor agile implementation .....		[-20,900]
37	GCSS-AF FOS .....	11,226	11,226
38	DEFENSE ENTERPRISE ACCOUNTING & MGT SYS .....	1,905	1,905
39	MAINTENANCE REPAIR & OVERHAUL INITIATIVE .....	1,912	1,912
40	THEATER BATTLE MGT C2 SYSTEM .....	6,337	6,337
41	AIR & SPACE OPERATIONS CENTER (AOC) .....	33,243	33,243
	<b>AIR FORCE COMMUNICATIONS</b>		
43	BASE INFORMATION TRANSPT INFRAST (BITI) WIRED .....	69,530	69,530

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
44	AFNET .....	147,063	147,063
45	JOINT COMMUNICATIONS SUPPORT ELEMENT (JCSE) .....	6,505	6,505
46	USCENTCOM .....	20,190	20,190
47	USSTRATCOM .....	11,244	11,244
	<b>ORGANIZATION AND BASE</b>		
48	TACTICAL C-E EQUIPMENT .....	143,757	143,757
50	RADIO EQUIPMENT .....	15,402	15,402
51	CCTVAUDIOVISUAL EQUIPMENT .....	3,211	3,211
52	BASE COMM INFRASTRUCTURE .....	43,123	43,123
	<b>MODIFICATIONS</b>		
53	COMM ELECT MODS .....	14,500	14,500
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>		
54	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	50,634	50,634
	<b>DEPOT PLANT+MTRLS HANDLING EQ</b>		
55	POWER CONDITIONING EQUIPMENT .....	11,000	11,000
56	MECHANIZED MATERIAL HANDLING EQUIP .....	11,901	11,901
	<b>BASE SUPPORT EQUIPMENT</b>		
57	BASE PROCURED EQUIPMENT .....	23,963	23,963
58	ENGINEERING AND EOD EQUIPMENT .....	34,124	34,124
59	MOBILITY EQUIPMENT .....	26,439	26,439
60	FUELS SUPPORT EQUIPMENT (FSE) .....	24,255	24,255
61	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....	38,986	38,986
	<b>SPECIAL SUPPORT PROJECTS</b>		
63	DARP RC135 .....	26,716	26,716
64	DCGS-AF .....	116,055	116,055
66	SPECIAL UPDATE PROGRAM .....	835,148	835,148
	<b>CLASSIFIED PROGRAMS</b>		
999	CLASSIFIED PROGRAMS .....	17,637,807	18,292,807
	Transfer back to base funding .....		[655,000]
	<b>SPARES AND REPAIR PARTS</b>		
67	SPARES AND REPAIR PARTS .....	81,340	81,340
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....	<b>20,687,857</b>	<b>21,349,957</b>
	<b>PROCUREMENT, DEFENSE-WIDE</b>		
	<b>MAJOR EQUIPMENT, DCMA</b>		
2	MAJOR EQUIPMENT .....	2,432	2,432
	<b>MAJOR EQUIPMENT, DHRA</b>		
3	PERSONNEL ADMINISTRATION .....	5,030	5,030
	<b>MAJOR EQUIPMENT, DISA</b>		
8	INFORMATION SYSTEMS SECURITY .....	3,318	4,718
	Sharksceer transfer .....		[1,400]
9	TELEPORT PROGRAM .....	25,103	25,103
10	ITEMS LESS THAN \$5 MILLION .....	26,416	26,416
12	DEFENSE INFORMATION SYSTEM NETWORK .....	17,574	17,574
14	WHITE HOUSE COMMUNICATION AGENCY .....	45,079	45,079
15	SENIOR LEADERSHIP ENTERPRISE .....	78,669	78,669
16	JOINT REGIONAL SECURITY STACKS (JRSS) .....	88,000	88,000
17	JOINT SERVICE PROVIDER .....	107,907	107,907
	<b>MAJOR EQUIPMENT, DLA</b>		
19	MAJOR EQUIPMENT .....	8,122	8,122
	<b>MAJOR EQUIPMENT, DMACT</b>		
20	MAJOR EQUIPMENT .....	10,961	10,961
	<b>MAJOR EQUIPMENT, DODEA</b>		
21	AUTOMATION/EDUCATIONAL SUPPORT & LOGISTICS .....	1,320	1,320
	<b>MAJOR EQUIPMENT, DPAA</b>		
22	MAJOR EQUIPMENT, DPAA .....	1,504	1,504
	<b>MAJOR EQUIPMENT, DSS</b>		
23	MAJOR EQUIPMENT .....	496	496
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>		
25	VEHICLES .....	211	211
26	OTHER MAJOR EQUIPMENT .....	11,521	11,521
	<b>MAJOR EQUIPMENT, MISSILE DEFENSE AGENCY</b>		
28	THAAD .....	425,863	0
	THAAD program transfer to Army .....		[-425,863]
29	GROUND BASED MIDCOURSE .....	9,471	9,471
31	AEGIS BMD .....	600,773	600,773
32	AEGIS BMD AP .....	96,995	96,995
33	BMDs AN/TPY-2 RADARS .....	10,046	10,046
34	ARROW 3 UPPER TIER SYSTEMS .....	55,000	55,000
35	SHORT RANGE BALLISTIC MISSILE DEFENSE (SRBMD) .....	50,000	50,000
36	AEGIS ASHORE PHASE III .....	25,659	25,659
37	IRON DOME .....	95,000	95,000
38	AEGIS BMD HARDWARE AND SOFTWARE .....	124,986	124,986
	<b>MAJOR EQUIPMENT, NSA</b>		
44	INFORMATION SYSTEMS SECURITY PROGRAM (ISSP) .....	1,533	133
	Sharksceer transfer .....		[-1,400]
	<b>MAJOR EQUIPMENT, OSD</b>		
45	MAJOR EQUIPMENT, OSD .....	43,705	43,705

**SEC. 4101. PROCUREMENT**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
<b>MAJOR EQUIPMENT, TJS</b>			
46	MAJOR EQUIPMENT, TJS .....	6,905	6,905
47	MAJOR EQUIPMENT—TJS CYBER .....	1,458	1,458
<b>MAJOR EQUIPMENT, WHS</b>			
49	MAJOR EQUIPMENT, WHS .....	507	507
<b>CLASSIFIED PROGRAMS</b>			
999	CLASSIFIED PROGRAMS .....	584,366	589,366
	Transfer back to base funding .....		[5,000]
<b>AVIATION PROGRAMS</b>			
53	ROTARY WING UPGRADES AND SUSTAINMENT .....	172,020	172,020
54	UNMANNED ISR .....	15,208	15,208
55	NON-STANDARD AVIATION .....	32,310	32,310
56	U-28 .....	10,898	10,898
57	MH-47 CHINOOK .....	173,812	173,812
58	CV-22 MODIFICATION .....	17,256	17,256
59	MQ-9 UNMANNED AERIAL VEHICLE .....	5,338	5,338
60	PRECISION STRIKE PACKAGE .....	232,930	232,930
61	AC/MC-130J .....	173,419	164,619
	RFCM schedule delay .....		[-8,800]
62	C-130 MODIFICATIONS .....	15,582	15,582
<b>SHIPBUILDING</b>			
63	UNDERWATER SYSTEMS .....	58,991	58,991
<b>AMMUNITION PROGRAMS</b>			
64	ORDNANCE ITEMS <\$5M .....	279,992	279,992
<b>OTHER PROCUREMENT PROGRAMS</b>			
65	INTELLIGENCE SYSTEMS .....	100,641	100,641
66	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	12,522	12,522
67	OTHER ITEMS <\$5M .....	103,910	103,910
68	COMBATANT CRAFT SYSTEMS .....	33,088	33,088
69	SPECIAL PROGRAMS .....	63,467	63,467
70	TACTICAL VEHICLES .....	77,832	77,832
71	WARRIOR SYSTEMS <\$5M .....	298,480	298,480
72	COMBAT MISSION REQUIREMENTS .....	19,702	19,702
73	GLOBAL VIDEO SURVEILLANCE ACTIVITIES .....	4,787	4,787
74	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	8,175	8,175
75	OPERATIONAL ENHANCEMENTS .....	282,532	282,532
<b>CBDP</b>			
76	CHEMICAL BIOLOGICAL SITUATIONAL AWARENESS .....	162,406	162,406
77	CB PROTECTION & HAZARD MITIGATION .....	188,188	188,188
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE .....</b>	<b>5,109,416</b>	<b>4,679,753</b>
<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>			
<b>JOINT URGENT OPERATIONAL NEEDS FUND</b>			
1	JOINT URGENT OPERATIONAL NEEDS FUND .....	99,200	99,200
	<b>TOTAL JOINT URGENT OPERATIONAL NEEDS FUND .....</b>	<b>99,200</b>	<b>99,200</b>
	<b>TOTAL PROCUREMENT .....</b>	<b>118,888,737</b>	<b>135,071,365</b>

**1 SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY**

**2 OPERATIONS.**

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
<b>AIRCRAFT PROCUREMENT, ARMY</b>			
<b>FIXED WING</b>			
3	MQ-1 UAV .....	54,000	54,000
<b>ROTARY</b>			
15	CH-47 HELICOPTER .....	25,000	25,000
<b>MODIFICATION OF AIRCRAFT</b>			
21	MULTI SENSOR ABN RECON (MIP) .....	80,260	80,260
24	GRCS SEMA MODS (MIP) .....	750	750
26	EMARSS SEMA MODS (MIP) .....	22,180	22,180
27	UTILITY/CARGO AIRPLANE MODS .....	8,362	8,362
29	NETWORK AND MISSION PLAN .....	10	10
31	DEGRADED VISUAL ENVIRONMENT .....	49,450	49,450
<b>GROUND SUPPORT AVIONICS</b>			
37	CMWS .....	130,219	130,219
38	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	9,310	9,310
<b>OTHER SUPPORT</b>			
45	LAUNCHER GUIDED MISSILE: LONGBOW HELLFIRE XM2 .....	2,000	2,000
	<b>TOTAL AIRCRAFT PROCUREMENT, ARMY .....</b>	<b>381,541</b>	<b>381,541</b>

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
<b>MISSILE PROCUREMENT, ARMY</b>			
<b>SURFACE-TO-AIR MISSILE SYSTEM</b>			
1	SYSTEM INTEGRATION AND TEST PROCUREMENT .....	113,857	0
	Transfer back to base funding .....		[-113,857]
2	M-SHORAD—PROCUREMENT .....	262,100	158,300
	Transfer back to base funding .....		[-103,800]
3	MSE MISSILE .....	736,541	37,938
	Transfer back to base funding .....		[-698,603]
4	INDIRECT FIRE PROTECTION CAPABILITY INC 2-I .....	9,337	0
	Transfer back to base funding .....		[-9,337]
<b>AIR-TO-SURFACE MISSILE SYSTEM</b>			
6	HELLFIRE SYS SUMMARY .....	429,549	236,265
	Transfer back to base funding .....		[-193,284]
7	JOINT AIR-TO-GROUND MSLS (JAGM) .....	233,353	0
	Transfer back to base funding .....		[-233,353]
<b>ANTI-TANK/ASSAULT MISSILE SYS</b>			
8	JAVELIN (AAWS-M) SYSTEM SUMMARY .....	142,794	4,389
	Transfer back to base funding .....		[-138,405]
9	TOW 2 SYSTEM SUMMARY .....	114,340	0
	Transfer back to base funding .....		[-114,340]
10	TOW 2 SYSTEM SUMMARY AP .....	10,500	0
	Transfer back to base funding .....		[-10,500]
11	GUIDED MLRS ROCKET (GMLRS) .....	1,228,809	431,596
	Transfer back to base funding .....		[-797,213]
12	MLRS REDUCED RANGE PRACTICE ROCKETS (RRPR) .....	27,555	0
	Transfer back to base funding .....		[-27,555]
14	ARMY TACTICAL MSL SYS (ATACMS)—SYS SUM .....	340,612	130,770
	Transfer back to base funding .....		[-209,842]
15	LETHAL MINIATURE AERIAL MISSILE SYSTEM (LMAMS) .....	83,300	83,300
<b>MODIFICATIONS</b>			
16	PATRIOT MODS .....	279,464	0
	Transfer back to base funding .....		[-279,464]
17	ATACMS MODS .....	85,320	0
	Transfer back to base funding .....		[-85,320]
18	GMLRS MOD .....	5,094	0
	Transfer back to base funding .....		[-5,094]
19	STINGER MODS .....	89,115	7,500
	Transfer back to base funding .....		[-81,615]
20	AVENGER MODS .....	14,107	0
	Transfer back to base funding .....		[-14,107]
21	ITAS/TOW MODS .....	3,469	0
	Transfer back to base funding .....		[-3,469]
22	MLRS MODS .....	387,019	348,000
	Transfer back to base funding .....		[-39,019]
23	HIMARS MODIFICATIONS .....	12,483	0
	Transfer back to base funding .....		[-12,483]
<b>SPARES AND REPAIR PARTS</b>			
24	SPARES AND REPAIR PARTS .....	26,444	0
	Transfer back to base funding .....		[-26,444]
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
25	AIR DEFENSE TARGETS .....	10,593	0
	Transfer back to base funding .....		[-10,593]
	<b>TOTAL MISSILE PROCUREMENT, ARMY .....</b>	<b>4,645,755</b>	<b>1,438,058</b>
<b>PROCUREMENT OF W&amp;TCV, ARMY</b>			
<b>TRACKED COMBAT VEHICLES</b>			
2	ARMORED MULTI PURPOSE VEHICLE (AMPV) .....	221,638	221,638
<b>MODIFICATION OF TRACKED COMBAT VEHICLES</b>			
3	STRYKER (MOD) .....	4,100	4,100
8	IMPROVED RECOVERY VEHICLE (M88A2 HERCULES) .....	80,146	80,146
13	M1 ABRAMS TANK (MOD) .....	13,100	13,100
<b>WEAPONS &amp; OTHER COMBAT VEHICLES</b>			
15	M240 MEDIUM MACHINE GUN (7.62MM) .....	900	900
16	MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON S .....	2,400	2,400
19	MORTAR SYSTEMS .....	18,941	18,941
20	XM320 GRENADE LAUNCHER MODULE (GLM) .....	526	526
23	CARBINE .....	1,183	1,183
25	COMMON REMOTELY OPERATED WEAPONS STATION .....	4,182	4,182
26	HANDGUN .....	248	248
<b>MOD OF WEAPONS AND OTHER COMBAT VEH</b>			
31	M2 50 CAL MACHINE GUN MODS .....	6,090	6,090
	<b>TOTAL PROCUREMENT OF W&amp;TCV, ARMY .....</b>	<b>353,454</b>	<b>353,454</b>
<b>PROCUREMENT OF AMMUNITION, ARMY</b>			
<b>SMALL/MEDIUM CAL AMMUNITION</b>			
1	CTG, 5.56MM, ALL TYPES .....	69,516	567
	Transfer back to base funding .....		[-68,949]

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
2	CTG, 7.62MM, ALL TYPES .....	114,268	40
	Transfer back to base funding .....		[-114,228]
3	CTG, HANDGUN, ALL TYPES .....	17,824	17
	Transfer back to base funding .....		[-17,807]
4	CTG, .50 CAL, ALL TYPES .....	64,155	189
	Transfer back to base funding .....		[-63,966]
5	CTG, 20MM, ALL TYPES .....	35,920	0
	Transfer back to base funding .....		[-35,920]
6	CTG, 25MM, ALL TYPES .....	8,990	0
	Transfer back to base funding .....		[-8,990]
7	CTG, 30MM, ALL TYPES .....	93,713	24,900
	Transfer back to base funding .....		[-68,813]
8	CTG, 40MM, ALL TYPES .....	103,952	0
	Transfer back to base funding .....		[-103,952]
	<b>MORTAR AMMUNITION</b>		
9	60MM MORTAR, ALL TYPES .....	50,580	0
	Transfer back to base funding .....		[-50,580]
10	81MM MORTAR, ALL TYPES .....	59,373	0
	Transfer back to base funding .....		[-59,373]
11	120MM MORTAR, ALL TYPES .....	125,452	0
	Transfer back to base funding .....		[-125,452]
	<b>TANK AMMUNITION</b>		
12	CARTRIDGES, TANK, 105MM AND 120MM, ALL TYPES .....	171,284	0
	Transfer back to base funding .....		[-171,284]
	<b>ARTILLERY AMMUNITION</b>		
13	ARTILLERY CARTRIDGES, 75MM & 105MM, ALL TYPES .....	44,675	0
	Transfer back to base funding .....		[-44,675]
14	ARTILLERY PROJECTILE, 155MM, ALL TYPES .....	266,037	0
	Transfer back to base funding .....		[-266,037]
15	PROJ 155MM EXTENDED RANGE M982 .....	93,486	36,052
	Transfer back to base funding .....		[-57,434]
16	ARTILLERY PROPELLANTS, FUZES AND PRIMERS, ALL .....	278,873	7,271
	Transfer back to base funding .....		[-271,602]
	<b>MINES</b>		
17	MINES & CLEARING CHARGES, ALL TYPES .....	55,433	0
	Transfer back to base funding .....		[-55,433]
	<b>ROCKETS</b>		
18	SHOULDER LAUNCHED MUNITIONS, ALL TYPES .....	75,054	176
	Transfer back to base funding .....		[-74,878]
19	ROCKET, HYDRA 70, ALL TYPES .....	255,453	79,459
	Transfer back to base funding .....		[-175,994]
	<b>OTHER AMMUNITION</b>		
20	CAD/PAD, ALL TYPES .....	7,595	0
	Transfer back to base funding .....		[-7,595]
21	DEMOLITION MUNITIONS, ALL TYPES .....	51,651	0
	Transfer back to base funding .....		[-51,651]
22	GRENADES, ALL TYPES .....	40,592	0
	Transfer back to base funding .....		[-40,592]
23	SIGNALS, ALL TYPES .....	18,609	0
	Transfer back to base funding .....		[-18,609]
24	SIMULATORS, ALL TYPES .....	16,054	0
	Transfer back to base funding .....		[-16,054]
	<b>MISCELLANEOUS</b>		
25	AMMO COMPONENTS, ALL TYPES .....	5,261	0
	Transfer back to base funding .....		[-5,261]
26	NON-LETHAL AMMUNITION, ALL TYPES .....	715	0
	Transfer back to base funding .....		[-715]
27	ITEMS LESS THAN \$5 MILLION (AMMO) .....	9,224	11
	Transfer back to base funding .....		[-9,213]
28	AMMUNITION PECULIAR EQUIPMENT .....	10,044	0
	Transfer back to base funding .....		[-10,044]
29	FIRST DESTINATION TRANSPORTATION (AMMO) .....	18,492	0
	Transfer back to base funding .....		[-18,492]
30	CLOSEOUT LIABILITIES .....	99	0
	Transfer back to base funding .....		[-99]
	<b>PRODUCTION BASE SUPPORT</b>		
31	INDUSTRIAL FACILITIES .....	474,511	0
	Transfer back to base funding .....		[-474,511]
32	CONVENTIONAL MUNITIONS DEMILITARIZATION .....	202,512	0
	Transfer back to base funding .....		[-202,512]
33	ARMS INITIATIVE .....	3,833	0
	Transfer back to base funding .....		[-3,833]
	<b>TOTAL PROCUREMENT OF AMMUNITION, ARMY</b> .....	<b>2,843,230</b>	<b>148,682</b>
	<b>OTHER PROCUREMENT, ARMY</b>		
	<b>TACTICAL VEHICLES</b>		
10	FAMILY OF HEAVY TACTICAL VEHICLES (FHTV) .....	26,917	26,917
11	PLS ESP .....	16,941	16,941

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
12	HVY EXPANDED MOBILE TACTICAL TRUCK EXT SERV .....	62,734	62,734
14	TACTICAL WHEELED VEHICLE PROTECTION KITS .....	50,000	50,000
15	MODIFICATION OF IN SVC EQUIP .....	28,000	28,000
	<b>COMM—JOINT COMMUNICATIONS</b>		
22	TACTICAL NETWORK TECHNOLOGY MOD IN SVC .....	40,000	40,000
	<b>COMM—SATELLITE COMMUNICATIONS</b>		
29	TRANSPORTABLE TACTICAL COMMAND COMMUNICATIONS .....	6,930	6,930
31	ASSURED POSITIONING, NAVIGATION AND TIMING .....	11,778	11,778
32	SMART-T (SPACE) .....	825	825
	<b>COMM—COMBAT COMMUNICATIONS</b>		
40	RADIO TERMINAL SET, MIDS LVT(2) .....	350	350
47	COTS COMMUNICATIONS EQUIPMENT .....	20,400	20,400
48	FAMILY OF MED COMM FOR COMBAT CASUALTY CARE .....	1,231	1,231
	<b>COMM—INTELLIGENCE COMM</b>		
51	CI AUTOMATION ARCHITECTURE (MIP) .....	6,200	6,200
	<b>COMM—LONG HAUL COMMUNICATIONS</b>		
59	BASE SUPPORT COMMUNICATIONS .....	20,482	20,482
	<b>COMM—BASE COMMUNICATIONS</b>		
60	INFORMATION SYSTEMS .....	55,800	55,800
63	INSTALLATION INFO INFRASTRUCTURE MOD PROGRAM .....	75,820	75,820
	<b>ELECT EQUIP—TACT INT REL ACT (TIARA)</b>		
68	DCGS-A (MIP) .....	38,613	38,613
70	TROJAN (MIP) .....	1,337	1,337
71	MOD OF IN-SVC EQUIP (INTEL SPT) (MIP) .....	2,051	2,051
75	BIOMETRIC TACTICAL COLLECTION DEVICES (MIP) .....	1,800	1,800
	<b>ELECT EQUIP—ELECTRONIC WARFARE (EW)</b>		
82	FAMILY OF PERSISTENT SURVEILLANCE CAP. (MIP) .....	71,493	71,493
83	COUNTERINTELLIGENCE/SECURITY COUNTERMEASURES .....	6,917	6,917
	<b>ELECT EQUIP—TACTICAL SURV. (TAC SURV)</b>		
85	SENTINEL MODS .....	20,000	20,000
86	NIGHT VISION DEVICES .....	3,676	3,676
94	JOINT BATTLE COMMAND—PLATFORM (JBC-P) .....	25,568	25,568
97	COMPUTER BALLISTICS: LHNBC XM32 .....	570	570
98	MORTAR FIRE CONTROL SYSTEM .....	15,975	15,975
	<b>ELECT EQUIP—TACTICAL C2 SYSTEMS</b>		
103	AIR & MSL DEFENSE PLANNING & CONTROL SYS .....	14,331	14,331
	<b>ELECT EQUIP—AUTOMATION</b>		
112	ARMY TRAINING MODERNIZATION .....	6,014	6,014
113	AUTOMATED DATA PROCESSING EQUIP .....	32,700	32,700
	<b>CLASSIFIED PROGRAMS</b>		
	CLASSIFIED PROGRAMS .....	8,200	0
	Transfer back to base funding .....		[-8,200]
	<b>CHEMICAL DEFENSIVE EQUIPMENT</b>		
124	FAMILY OF NON-LETHAL EQUIPMENT (FNLE) .....	25,480	25,480
125	BASE DEFENSE SYSTEMS (BDS) .....	47,110	47,110
126	CBRN DEFENSE .....	18,711	18,711
	<b>BRIDGING EQUIPMENT</b>		
128	TACTICAL BRIDGING .....	4,884	4,884
	<b>ENGINEER (NON-CONSTRUCTION) EQUIPMENT</b>		
133	GRND STANDOFF MINE DETECTN SYSM (GSTAMIDS) .....	4,500	4,500
135	HUSKY MOUNTED DETECTION SYSTEM (HMDS) .....	34,253	34,253
136	ROBOTIC COMBAT SUPPORT SYSTEM (RCSS) .....	3,300	3,300
140	RENDER SAFE SETS KITS OUTFITS .....	84,000	84,000
	<b>COMBAT SERVICE SUPPORT EQUIPMENT</b>		
143	HEATERS AND ECU'S .....	8	8
145	PERSONNEL RECOVERY SUPPORT SYSTEM (PRSS) .....	5,101	5,101
146	GROUND SOLDIER SYSTEM .....	1,760	1,760
148	FORCE PROVIDER .....	56,400	56,400
150	CARGO AERIAL DEL & PERSONNEL PARACHUTE SYSTEM .....	2,040	2,040
	<b>PETROLEUM EQUIPMENT</b>		
154	DISTRIBUTION SYSTEMS, PETROLEUM & WATER .....	13,986	13,986
	<b>MEDICAL EQUIPMENT</b>		
155	COMBAT SUPPORT MEDICAL .....	2,735	2,735
	<b>CONSTRUCTION EQUIPMENT</b>		
159	SCRAPERS, EARTHMOVING .....	4,669	4,669
160	LOADERS .....	380	380
162	TRACTOR, FULL TRACKED .....	8,225	8,225
164	HIGH MOBILITY ENGINEER EXCAVATOR (HMEE) .....	3,000	3,000
166	CONST EQUIP ESP .....	3,870	3,870
167	ITEMS LESS THAN \$5.0M (CONST EQUIP) .....	350	350
	<b>GENERATORS</b>		
171	GENERATORS AND ASSOCIATED EQUIP .....	2,436	2,436
	<b>MATERIAL HANDLING EQUIPMENT</b>		
173	FAMILY OF FORKLIFTS .....	5,152	5,152
	<b>TRAINING EQUIPMENT</b>		
175	TRAINING DEVICES, NONSYSTEM .....	2,106	2,106
	<b>TEST MEASURE AND DIG EQUIPMENT (TMD)</b>		
181	INTEGRATED FAMILY OF TEST EQUIPMENT (IFTE) .....	1,395	1,395

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
<b>OTHER SUPPORT EQUIPMENT</b>			
184	RAPID EQUIPPING SOLDIER SUPPORT EQUIPMENT .....	24,122	24,122
185	PHYSICAL SECURITY SYSTEMS (OPA3) .....	10,016	10,016
187	MODIFICATION OF IN-SVC EQUIPMENT (OPA-3) .....	33,354	33,354
189	BUILDING, PRE-FAB, RELOCATABLE .....	62,654	62,654
	<b>TOTAL OTHER PROCUREMENT, ARMY .....</b>	<b>1,139,650</b>	<b>1,131,450</b>
<b>AIRCRAFT PROCUREMENT, NAVY</b>			
<b>OTHER AIRCRAFT</b>			
26	STUASL0 UAV .....	7,921	7,921
27	MQ-9A REAPER .....	77,000	77,000
<b>MODIFICATION OF AIRCRAFT</b>			
36	EP-3 SERIES .....	5,488	5,488
46	SPECIAL PROJECT AIRCRAFT .....	3,498	3,498
51	COMMON ECM EQUIPMENT .....	3,406	3,406
53	COMMON DEFENSIVE WEAPON SYSTEM .....	3,274	3,274
62	QRC .....	18,458	18,458
	<b>TOTAL AIRCRAFT PROCUREMENT, NAVY .....</b>	<b>119,045</b>	<b>119,045</b>
<b>WEAPONS PROCUREMENT, NAVY</b>			
<b>MODIFICATION OF MISSILES</b>			
1	TRIDENT II MODS .....	1,177,251	0
	Transfer back to base funding .....		[-1,177,251]
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
2	MISSILE INDUSTRIAL FACILITIES .....	7,142	0
	Transfer back to base funding .....		[-7,142]
<b>STRATEGIC MISSILES</b>			
3	TOMAHAWK .....	386,730	0
	Transfer back to base funding .....		[-386,730]
<b>TACTICAL MISSILES</b>			
4	AMRAAM .....	224,502	0
	Transfer back to base funding .....		[-224,502]
5	SIDEWINDER .....	119,456	0
	Transfer back to base funding .....		[-119,456]
7	STANDARD MISSILE .....	404,523	0
	Transfer back to base funding .....		[-404,523]
8	STANDARD MISSILE AP .....	96,085	0
	Transfer back to base funding .....		[-96,085]
9	SMALL DIAMETER BOMB II .....	118,466	0
	Transfer back to base funding .....		[-118,466]
10	RAM .....	106,765	0
	Transfer back to base funding .....		[-106,765]
11	JOINT AIR GROUND MISSILE (JAGM) .....	90,966	90,966
12	HELLFIRE .....	1,525	0
	Transfer back to base funding .....		[-1,525]
15	AERIAL TARGETS .....	152,380	6,500
	Transfer back to base funding .....		[-145,880]
16	DRONES AND DECOYS .....	20,000	0
	Transfer back to base funding .....		[-20,000]
17	OTHER MISSILE SUPPORT .....	3,388	0
	Transfer back to base funding .....		[-3,388]
18	LRASM .....	143,200	0
	Transfer back to base funding .....		[-143,200]
19	LCS OTH MISSILE .....	38,137	0
	Transfer back to base funding .....		[-38,137]
<b>MODIFICATION OF MISSILES</b>			
20	ESSM .....	128,059	0
	Transfer back to base funding .....		[-128,059]
21	HARPOON MODS .....	25,447	0
	Transfer back to base funding .....		[-25,447]
22	HARM MODS .....	183,740	0
	Transfer back to base funding .....		[-183,740]
23	STANDARD MISSILES MODS .....	22,500	0
	Transfer back to base funding .....		[-22,500]
<b>SUPPORT EQUIPMENT &amp; FACILITIES</b>			
24	WEAPONS INDUSTRIAL FACILITIES .....	1,958	0
	Transfer back to base funding .....		[-1,958]
25	FLEET SATELLITE COMM FOLLOW-ON .....	67,380	0
	Transfer back to base funding .....		[-67,380]
<b>ORDNANCE SUPPORT EQUIPMENT</b>			
27	ORDNANCE SUPPORT EQUIPMENT .....	109,427	0
	Transfer back to base funding .....		[-109,427]
<b>TORPEDOES AND RELATED EQUIP</b>			
28	SSTD .....	5,561	0
	Transfer back to base funding .....		[-5,561]
29	MK-48 TORPEDO .....	114,000	0
	Transfer back to base funding .....		[-114,000]
30	ASW TARGETS .....	15,095	0

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
	Transfer back to base funding .....		[-15,095]
	<b>MOD OF TORPEDOES AND RELATED EQUIP</b>		
31	MK-54 TORPEDO MODS .....	119,453	0
	Transfer back to base funding .....		[-119,453]
32	MK-48 TORPEDO ADCAP MODS .....	39,508	0
	Transfer back to base funding .....		[-39,508]
33	QUICKSTRIKE MINE .....	5,183	0
	Transfer back to base funding .....		[-5,183]
	<b>SUPPORT EQUIPMENT</b>		
34	TORPEDO SUPPORT EQUIPMENT .....	79,028	0
	Transfer back to base funding .....		[-79,028]
35	ASW RANGE SUPPORT .....	3,890	0
	Transfer back to base funding .....		[-3,890]
	<b>DESTINATION TRANSPORTATION</b>		
36	FIRST DESTINATION TRANSPORTATION .....	3,803	0
	Transfer back to base funding .....		[-3,803]
	<b>GUNS AND GUN MOUNTS</b>		
37	SMALL ARMS AND WEAPONS .....	14,797	0
	Transfer back to base funding .....		[-14,797]
	<b>MODIFICATION OF GUNS AND GUN MOUNTS</b>		
38	CIWS MODS .....	44,126	0
	Transfer back to base funding .....		[-44,126]
39	COAST GUARD WEAPONS .....	44,980	0
	Transfer back to base funding .....		[-44,980]
40	GUN MOUNT MODS .....	66,376	0
	Transfer back to base funding .....		[-66,376]
41	LCS MODULE WEAPONS .....	14,585	0
	Transfer back to base funding .....		[-14,585]
43	AIRBORNE MINE NEUTRALIZATION SYSTEMS .....	7,160	0
	Transfer back to base funding .....		[-7,160]
	<b>SPARES AND REPAIR PARTS</b>		
45	SPARES AND REPAIR PARTS .....	126,138	0
	Transfer back to base funding .....		[-126,138]
	<b>TOTAL WEAPONS PROCUREMENT, NAVY</b> .....	<b>4,332,710</b>	<b>97,466</b>
	<b>PROCUREMENT OF AMMO, NAVY &amp; MC</b>		
	<b>NAVY AMMUNITION</b>		
1	GENERAL PURPOSE BOMBS .....	63,006	26,978
	Transfer back to base funding .....		[-36,028]
2	JDAM .....	82,676	12,263
	Transfer back to base funding .....		[-70,413]
3	AIRBORNE ROCKETS, ALL TYPES .....	76,776	45,020
	Transfer back to base funding .....		[-31,756]
4	MACHINE GUN AMMUNITION .....	38,370	33,577
	Transfer back to base funding .....		[-4,793]
5	PRACTICE BOMBS .....	46,611	11,903
	Transfer back to base funding .....		[-34,708]
6	CARTRIDGES & CART ACTUATED DEVICES .....	60,819	15,081
	Transfer back to base funding .....		[-45,738]
7	AIR EXPENDABLE COUNTERMEASURES .....	94,212	16,911
	Transfer back to base funding .....		[-77,301]
8	JATOS .....	7,262	0
	Transfer back to base funding .....		[-7,262]
9	5 INCH/54 GUN AMMUNITION .....	22,594	0
	Transfer back to base funding .....		[-22,594]
10	INTERMEDIATE CALIBER GUN AMMUNITION .....	37,193	0
	Transfer back to base funding .....		[-37,193]
11	OTHER SHIP GUN AMMUNITION .....	42,753	3,262
	Transfer back to base funding .....		[-39,491]
12	SMALL ARMS & LANDING PARTY AMMO .....	48,906	1,010
	Transfer back to base funding .....		[-47,896]
13	PYROTECHNIC AND DEMOLITION .....	11,158	537
	Transfer back to base funding .....		[-10,621]
15	AMMUNITION LESS THAN \$5 MILLION .....	2,386	0
	Transfer back to base funding .....		[-2,386]
	<b>MARINE CORPS AMMUNITION</b>		
16	MORTARS .....	57,473	1,930
	Transfer back to base funding .....		[-55,543]
17	DIRECT SUPPORT MUNITIONS .....	132,937	1,172
	Transfer back to base funding .....		[-131,765]
18	INFANTRY WEAPONS AMMUNITION .....	80,214	2,158
	Transfer back to base funding .....		[-78,056]
19	COMBAT SUPPORT MUNITIONS .....	41,013	965
	Transfer back to base funding .....		[-40,048]
20	AMMO MODERNIZATION .....	14,325	0
	Transfer back to base funding .....		[-14,325]
21	ARTILLERY MUNITIONS .....	220,923	32,047
	Transfer back to base funding .....		[-188,876]

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
22	ITEMS LESS THAN \$5 MILLION .....	4,521	0
	Transfer back to base funding .....		[-4,521]
	<b>TOTAL PROCUREMENT OF AMMO, NAVY &amp; MC</b> .....	<b>1,186,128</b>	<b>204,814</b>
	<b>OTHER PROCUREMENT, NAVY</b>		
	<b>OTHER SHIPBOARD EQUIPMENT</b>		
20	UNDERWATER EOD PROGRAMS .....	5,800	5,800
	<b>ASW ELECTRONIC EQUIPMENT</b>		
42	FIXED SURVEILLANCE SYSTEM .....	310,503	310,503
	<b>SONOBUOYS</b>		
85	SONOBUOYS—ALL TYPES .....	2,910	2,910
	<b>AIRCRAFT SUPPORT EQUIPMENT</b>		
88	AIRCRAFT SUPPORT EQUIPMENT .....	13,420	13,420
94	AVIATION SUPPORT EQUIPMENT .....	500	500
	<b>OTHER ORDNANCE SUPPORT EQUIPMENT</b>		
103	EXPLOSIVE ORDNANCE DISPOSAL EQUIP .....	15,307	15,307
	<b>CIVIL ENGINEERING SUPPORT EQUIPMENT</b>		
108	PASSENGER CARRYING VEHICLES .....	173	173
109	GENERAL PURPOSE TRUCKS .....	408	408
111	FIRE FIGHTING EQUIPMENT .....	785	785
	<b>SUPPLY SUPPORT EQUIPMENT</b>		
117	SUPPLY EQUIPMENT .....	100	100
118	FIRST DESTINATION TRANSPORTATION .....	510	510
	<b>COMMAND SUPPORT EQUIPMENT</b>		
122	COMMAND SUPPORT EQUIPMENT .....	2,800	2,800
123	MEDICAL SUPPORT EQUIPMENT .....	1,794	1,794
126	OPERATING FORCES SUPPORT EQUIPMENT .....	1,090	1,090
128	ENVIRONMENTAL SUPPORT EQUIPMENT .....	200	200
129	PHYSICAL SECURITY EQUIPMENT .....	1,300	1,300
	<b>TOTAL OTHER PROCUREMENT, NAVY</b> .....	<b>357,600</b>	<b>357,600</b>
	<b>PROCUREMENT, MARINE CORPS</b>		
	<b>GUIDED MISSILES</b>		
12	GUIDED MLRS ROCKET (GMLRS) .....	16,919	16,919
	<b>ENGINEER AND OTHER EQUIPMENT</b>		
45	EOD SYSTEMS .....	3,670	3,670
	<b>TOTAL PROCUREMENT, MARINE CORPS</b> .....	<b>20,589</b>	<b>20,589</b>
	<b>AIRCRAFT PROCUREMENT, AIR FORCE</b>		
	<b>OTHER AIRCRAFT</b>		
17	MQ-9 .....	172,240	172,240
18	RQ-20B PUMA .....	12,150	12,150
	<b>STRATEGIC AIRCRAFT</b>		
22	LARGE AIRCRAFT INFRARED COUNTERMEASURES .....	53,335	53,335
	<b>OTHER AIRCRAFT</b>		
67	MQ-9 UAS PAYLOADS .....	19,800	19,800
	<b>AIRCRAFT SPARES AND REPAIR PARTS</b>		
69	INITIAL SPARES/REPAIR PARTS .....	44,560	44,560
	<b>COMMON SUPPORT EQUIPMENT</b>		
72	AIRCRAFT REPLACEMENT SUPPORT EQUIP .....	7,025	7,025
	<b>TOTAL AIRCRAFT PROCUREMENT, AIR FORCE</b> .....	<b>309,110</b>	<b>309,110</b>
	<b>MISSILE PROCUREMENT, AIR FORCE</b>		
	<b>TACTICAL</b>		
4	JOINT AIR-SURFACE STANDOFF MISSILE .....	20,900	20,900
8	PREDATOR HELLFIRE MISSILE .....	180,771	180,771
	<b>TOTAL MISSILE PROCUREMENT, AIR FORCE</b> .....	<b>201,671</b>	<b>201,671</b>
	<b>PROCUREMENT OF AMMUNITION, AIR FORCE</b>		
	<b>ROCKETS</b>		
1	ROCKETS .....	218,228	84,960
	Transfer back to base funding .....		[-133,268]
	<b>CARTRIDGES</b>		
2	CARTRIDGES .....	193,091	52,642
	Transfer back to base funding .....		[-140,449]
	<b>BOMBS</b>		
3	PRACTICE BOMBS .....	29,313	0
	Transfer back to base funding .....		[-29,313]
4	GENERAL PURPOSE BOMBS .....	631,194	545,309
	Transfer back to base funding .....		[-85,885]
6	JOINT DIRECT ATTACK MUNITION .....	1,066,224	0
	Transfer back to base funding .....		[-1,066,224]
7	B61 .....	80,773	0
	Transfer back to base funding .....		[-80,773]
	<b>OTHER ITEMS</b>		
9	CAD/PAD .....	47,069	0
	Transfer back to base funding .....		[-47,069]
10	EXPLOSIVE ORDNANCE DISPOSAL (EOD) .....	6,133	0

**SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
	Transfer back to base funding .....		[-6,133]
11	SPARES AND REPAIR PARTS .....	533	0
	Transfer back to base funding .....		[-533]
12	MODIFICATIONS .....	1,291	0
	Transfer back to base funding .....		[-1,291]
13	ITEMS LESS THAN \$5,000,000 .....	1,677	0
	Transfer back to base funding .....		[-1,677]
	<b>FLARES</b>		
15	FLARES .....	129,388	93,272
	Transfer back to base funding .....		[-36,116]
	<b>FUZES</b>		
16	FUZES .....	158,889	157,155
	Transfer back to base funding .....		[-1,734]
	<b>SMALL ARMS</b>		
17	SMALL ARMS .....	43,591	6,095
	Transfer back to base funding .....		[-37,496]
	<b>TOTAL PROCUREMENT OF AMMUNITION, AIR FORCE</b> .....	<b>2,607,394</b>	<b>939,433</b>
	<b>OTHER PROCUREMENT, AIR FORCE</b>		
	<b>PASSENGER CARRYING VEHICLES</b>		
1	PASSENGER CARRYING VEHICLES .....	1,276	1,276
	<b>CARGO AND UTILITY VEHICLES</b>		
4	CARGO AND UTILITY VEHICLES .....	9,702	9,702
	<b>SPECIAL PURPOSE VEHICLES</b>		
5	JOINT LIGHT TACTICAL VEHICLE .....	40,999	40,999
7	SPECIAL PURPOSE VEHICLES .....	52,502	52,502
	<b>FIRE FIGHTING EQUIPMENT</b>		
8	FIRE FIGHTING/CRASH RESCUE VEHICLES .....	16,652	16,652
	<b>MATERIALS HANDLING EQUIPMENT</b>		
9	MATERIALS HANDLING VEHICLES .....	2,944	2,944
	<b>BASE MAINTENANCE SUPPORT</b>		
10	RUNWAY SNOW REMOV AND CLEANING EQU .....	3,753	3,753
11	BASE MAINTENANCE SUPPORT VEHICLES .....	11,837	11,837
	<b>SPCL COMM-ELECTRONICS PROJECTS</b>		
27	GENERAL INFORMATION TECHNOLOGY .....	5,000	5,000
31	AIR FORCE PHYSICAL SECURITY SYSTEM .....	106,919	106,919
	<b>ORGANIZATION AND BASE</b>		
48	TACTICAL C-E EQUIPMENT .....	306	306
52	BASE COMM INFRASTRUCTURE .....	4,300	4,300
	<b>PERSONAL SAFETY &amp; RESCUE EQUIP</b>		
54	PERSONAL SAFETY AND RESCUE EQUIPMENT .....	22,200	22,200
	<b>BASE SUPPORT EQUIPMENT</b>		
59	MOBILITY EQUIPMENT .....	26,535	26,535
60	FUELS SUPPORT EQUIPMENT (FSE) .....	4,040	4,040
61	BASE MAINTENANCE AND SUPPORT EQUIPMENT .....	20,067	20,067
	<b>CLASSIFIED PROGRAMS</b>		
	CLASSIFIED PROGRAMS .....	3,864,066	3,209,066
	Transfer back to base funding .....		[-655,000]
	<b>TOTAL OTHER PROCUREMENT, AIR FORCE</b> .....	<b>4,193,098</b>	<b>3,538,098</b>
	<b>PROCUREMENT, DEFENSE-WIDE</b>		
	<b>MAJOR EQUIPMENT, DISA</b>		
9	TELEPORT PROGRAM .....	3,800	3,800
12	DEFENSE INFORMATION SYSTEM NETWORK .....	12,000	12,000
	<b>MAJOR EQUIPMENT, DEFENSE THREAT REDUCTION AGENCY</b>		
27	COUNTER IED & IMPROVISED THREAT TECHNOLOGIES .....	4,590	4,590
	<b>CLASSIFIED PROGRAMS</b>		
	CLASSIFIED PROGRAMS .....	56,380	51,380
	Transfer back to base funding .....		[-5,000]
	<b>AVIATION PROGRAMS</b>		
50	MANNED ISR .....	5,000	5,000
51	MC-12 .....	5,000	5,000
52	MH-60 BLACKHAWK .....	28,100	28,100
54	UNMANNED ISR .....	8,207	8,207
56	U-28 .....	31,500	31,500
57	MH-47 CHINOOK .....	37,500	37,500
59	MQ-9 UNMANNED AERIAL VEHICLE .....	1,900	1,900
	<b>AMMUNITION PROGRAMS</b>		
64	ORDNANCE ITEMS <\$5M .....	138,252	138,252
	<b>OTHER PROCUREMENT PROGRAMS</b>		
65	INTELLIGENCE SYSTEMS .....	16,500	16,500
67	OTHER ITEMS <\$5M .....	28	28
70	TACTICAL VEHICLES .....	2,990	2,990
71	WARRIOR SYSTEMS <\$5M .....	37,512	37,512
72	COMBAT MISSION REQUIREMENTS .....	10,000	10,000
74	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	7,594	7,594
75	OPERATIONAL ENHANCEMENTS .....	45,194	45,194
	<b>TOTAL PROCUREMENT, DEFENSE-WIDE</b> .....	<b>452,047</b>	<b>447,047</b>

SEC. 4102. PROCUREMENT FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
<b>TOTAL PROCUREMENT</b>		<b>23,143,022</b>	<b>9,688,058</b>

1 **TITLE XLII—RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 2 **TION**

4 **SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUA-**  
 5 **TION.**

SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	Senate Authorized
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY</b>				
<b>BASIC RESEARCH</b>				
2	0601102A	DEFENSE RESEARCH SCIENCES .....	297,976	302,976
		Counter UAS University Research .....		[5,000]
3	0601103A	UNIVERSITY RESEARCH INITIATIVES .....	65,858	65,858
4	0601104A	UNIVERSITY AND INDUSTRY RESEARCH CENTERS .....	86,164	88,164
		3D printing .....		[2,000]
5	0601121A	CYBER COLLABORATIVE RESEARCH ALLIANCE .....	4,982	9,982
		Cyber basic research .....		[5,000]
		<b>SUBTOTAL BASIC RESEARCH</b> .....	<b>454,980</b>	<b>466,980</b>
<b>APPLIED RESEARCH</b>				
10	0602141A	LETHALITY TECHNOLOGY .....	26,961	26,961
11	0602142A	ARMY APPLIED RESEARCH .....	25,319	25,319
12	0602143A	SOLDIER LETHALITY TECHNOLOGY .....	115,274	118,274
		UPL MDTF for INDOPACOM .....		[3,000]
13	0602144A	GROUND TECHNOLOGY .....	35,199	41,699
		Advanced materials manufacturing process .....		[2,000]
		Biopolymer structural materials .....		[2,000]
		Cellulose structural materials .....		[2,500]
14	0602145A	NEXT GENERATION COMBAT VEHICLE TECHNOLOGY .....	219,047	234,047
		Support operational energy development and testing .....		[15,000]
15	0602146A	NETWORK C3I TECHNOLOGY .....	114,516	114,516
16	0602147A	LONG RANGE PRECISION FIRES TECHNOLOGY .....	74,327	86,327
		Composite tube and propulsion technology .....		[10,000]
		Novel printed armament components .....		[2,000]
17	0602148A	FUTURE VERTICLE LIFT TECHNOLOGY .....	93,601	93,601
18	0602150A	AIR AND MISSILE DEFENSE TECHNOLOGY .....	50,771	50,771
20	0602213A	C3I APPLIED CYBER .....	18,947	23,947
		Cyber research .....		[5,000]
38	0602785A	MANPOWER/PERSONNEL/TRAINING TECHNOLOGY .....	20,873	20,873
40	0602787A	MEDICAL TECHNOLOGY .....	99,155	102,155
		Female warfighter performance research .....		[3,000]
		<b>SUBTOTAL APPLIED RESEARCH</b> .....	<b>893,990</b>	<b>938,490</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
42	0603002A	MEDICAL ADVANCED TECHNOLOGY .....	42,030	42,030
47	0603007A	MANPOWER, PERSONNEL AND TRAINING ADVANCED TECH- NOLOGY.	11,038	11,038
50	0603117A	ARMY ADVANCED TECHNOLOGY DEVELOPMENT .....	63,338	63,338
51	0603118A	SOLDIER LETHALITY ADVANCED TECHNOLOGY .....	118,468	118,468
52	0603119A	GROUND ADVANCED TECHNOLOGY .....	12,593	32,593
		100 hour battery .....		[10,000]
		Computational manufacturing engineering .....		[2,000]
		Lightweight protective and hardening materials .....		[3,000]
		Robotic construction research .....		[5,000]
59	0603457A	C3I CYBER ADVANCED DEVELOPMENT .....	13,769	13,769
60	0603461A	HIGH PERFORMANCE COMPUTING MODERNIZATION PRO- GRAM.	184,755	184,755
61	0603462A	NEXT GENERATION COMBAT VEHICLE ADVANCED TECH- NOLOGY.	160,035	185,035
		Ground vehicle sustainment research .....		[5,000]
		Hydrogen fuel cell propulsion & autonomous driving controls .....		[20,000]

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
(In Thousands of Dollars)

Line	Program Element	Item	FY 2020 Request	Senate Authorized
62	0603463A	NETWORK C3I ADVANCED TECHNOLOGY .....	106,899	106,899
63	0603464A	LONG RANGE PRECISION FIRES ADVANCED TECHNOLOGY Hypersonics research .....	174,386	178,386 [4,000]
64	0603465A	FUTURE VERTICAL LIFT ADVANCED TECHNOLOGY .....	151,640	151,640
65	0603466A	AIR AND MISSILE DEFENSE ADVANCED TECHNOLOGY .....	60,613	60,613
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>1,099,564</b>	<b>1,148,564</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
73	0603305A	ARMY MISSILE DEFENSE SYSTEMS INTEGRATION .....	10,987	10,987
74	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING .....	15,148	15,148
75	0603619A	LANDMINE WARFARE AND BARRIER—ADV DEV .....	92,915	92,915
77	0603639A	TANK AND MEDIUM CALIBER AMMUNITION .....	82,146	82,146
78	0603645A	ARMORED SYSTEM MODERNIZATION—ADV DEV .....	157,656	157,656
79	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	6,514	6,514
80	0603766A	TACTICAL ELECTRONIC SURVEILLANCE SYSTEM—ADV DEV .....	34,890	34,890
81	0603774A	NIGHT VISION SYSTEMS ADVANCED DEVELOPMENT .....	251,011	251,011
82	0603779A	ENVIRONMENTAL QUALITY TECHNOLOGY—DEM/VAL .....	15,132	15,132
83	0603790A	NATO RESEARCH AND DEVELOPMENT .....	5,406	5,406
84	0603801A	AVIATION—ADV DEV .....	459,290	534,890 [75,600]
		UPL FVL CS3 program increase .....		
85	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV .....	6,254	6,254
86	0603807A	MEDICAL SYSTEMS—ADV DEV .....	31,175	31,175
87	0603827A	SOLDIER SYSTEMS—ADVANCED DEVELOPMENT .....	22,113	22,113
88	0604017A	ROBOTICS DEVELOPMENT .....	115,222	115,222
90	0604021A	ELECTRONIC WARFARE TECHNOLOGY MATURATION (MIP) .....	18,043	18,043
91	0604100A	ANALYSIS OF ALTERNATIVES .....	10,023	10,023
92	0604113A	FUTURE TACTICAL UNMANNED AIRCRAFT SYSTEM (FTUAS) .....	40,745	40,745
93	0604114A	LOWER TIER AIR MISSILE DEFENSE (LTAMD) SENSOR .....	427,772	427,772
94	0604115A	TECHNOLOGY MATURATION INITIATIVES .....	196,676	196,676
95	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) .....	33,100	33,100
97	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING .....	115,116	115,116
99	0604121A	SYNTHETIC TRAINING ENVIRONMENT REFINEMENT & PROTOTYPING .....	136,761	136,761
100	0604182A	HYPERSONICS .....	228,000	358,610 [130,610]
		UPL accelerate Hypersonic Weapons System .....		
102	0604403A	FUTURE INTERCEPTOR .....	8,000	8,000
103	0604541A	UNIFIED NETWORK TRANSPORT .....	39,600	39,600
104	0604644A	MOBILE MEDIUM RANGE MISSILE .....	20,000	20,000
106	0305251A	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT .....	52,102	52,102
107	1206120A	ASSURED POSITIONING, NAVIGATION AND TIMING (PNT) .....	192,562	192,562
108	1206308A	ARMY SPACE SYSTEMS INTEGRATION .....	104,996	104,996
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>2,929,355</b>	<b>3,135,565</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
109	0604201A	AIRCRAFT AVIONICS .....	29,164	29,164
110	0604270A	ELECTRONIC WARFARE DEVELOPMENT .....	70,539	70,539
113	0604601A	INFANTRY SUPPORT WEAPONS .....	106,121	126,021 [19,900]
		UPL Next Generation Squad Weapon—Automatic Rifle .....		
114	0604604A	MEDIUM TACTICAL VEHICLES .....	2,152	2,152
115	0604611A	JAVELIN .....	17,897	17,897
116	0604622A	FAMILY OF HEAVY TACTICAL VEHICLES .....	16,745	16,745
117	0604633A	AIR TRAFFIC CONTROL .....	6,989	6,989
118	0604642A	LIGHT TACTICAL WHEELED VEHICLES .....	10,465	10,465
119	0604645A	ARMORED SYSTEMS MODERNIZATION (ASM)—ENG DEV .....	310,152	310,152
120	0604710A	NIGHT VISION SYSTEMS—ENG DEV .....	181,732	181,732
121	0604713A	COMBAT FEEDING, CLOTHING, AND EQUIPMENT .....	2,393	2,393
122	0604715A	NON-SYSTEM TRAINING DEVICES—ENG DEV .....	27,412	27,412
123	0604741A	AIR DEFENSE COMMAND, CONTROL AND INTELLIGENCE—ENG DEV .....	43,502	43,502
124	0604742A	CONSTRUCTIVE SIMULATION SYSTEMS DEVELOPMENT .....	11,636	11,636
125	0604746A	AUTOMATIC TEST EQUIPMENT DEVELOPMENT .....	10,915	10,915
126	0604760A	DISTRIBUTIVE INTERACTIVE SIMULATIONS (DIS)—ENG DEV .....	7,801	7,801
127	0604768A	BRILLIANT ANTI-ARMOR SUBMUNITION (BAT) .....	25,000	25,000
128	0604780A	COMBINED ARMS TACTICAL TRAINER (CATT) CORE .....	9,241	9,241
129	0604798A	BRIGADE ANALYSIS, INTEGRATION AND EVALUATION .....	42,634	42,634
130	0604802A	WEAPONS AND MUNITIONS—ENG DEV .....	181,023	181,023
131	0604804A	LOGISTICS AND ENGINEER EQUIPMENT—ENG DEV .....	103,226	103,226
132	0604805A	COMMAND, CONTROL, COMMUNICATIONS SYSTEMS—ENG DEV .....	12,595	12,595
133	0604807A	MEDICAL MATERIEL/MEDICAL BIOLOGICAL DEFENSE EQUIPMENT—ENG DEV .....	48,264	48,264
134	0604808A	LANDMINE WARFARE/BARRIER—ENG DEV .....	39,208	39,208

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135	0604818A	ARMY TACTICAL COMMAND & CONTROL HARDWARE & SOFTWARE.	140,637	140,637
136	0604820A	RADAR DEVELOPMENT .....	105,243	105,243
137	0604822A	GENERAL FUND ENTERPRISE BUSINESS SYSTEM (GFEBS)	46,683	46,683
138	0604823A	FIREFINDER .....	17,294	17,294
139	0604827A	SOLDIER SYSTEMS—WARRIOR DEM/VAL .....	5,803	5,803
140	0604852A	SUITE OF SURVIVABILITY ENHANCEMENT SYSTEMS—EMD	98,698	98,698
141	0604854A	ARTILLERY SYSTEMS—EMD .....	15,832	15,832
142	0605013A	INFORMATION TECHNOLOGY DEVELOPMENT .....	126,537	126,537
143	0605018A	INTEGRATED PERSONNEL AND PAY SYSTEM-ARMY (PPS-A) Poor business process reengineering .....	142,773	0 [-142,773]
144	0605028A	ARMORED MULTI-PURPOSE VEHICLE (AMPV) .....	96,730	96,730
145	0605029A	INTEGRATED GROUND SECURITY SURVEILLANCE RE- SPONSE CAPABILITY (IGSSR-C).	6,699	6,699
146	0605030A	JOINT TACTICAL NETWORK CENTER (JTNC) .....	15,882	15,882
147	0605031A	JOINT TACTICAL NETWORK (JTN) .....	40,808	40,808
149	0605033A	GROUND-BASED OPERATIONAL SURVEILLANCE SYSTEM— EXPEDITIONARY (GBOSS-E).	3,847	3,847
150	0605034A	TACTICAL SECURITY SYSTEM (TSS) .....	6,928	6,928
151	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	34,488	34,488
152	0605036A	COMBATING WEAPONS OF MASS DESTRUCTION (CWMD) .....	10,000	10,000
154	0605038A	NUCLEAR BIOLOGICAL CHEMICAL RECONNAISSANCE VEHI- CLE (NBCRV) SENSOR SUITE.	6,054	6,054
155	0605041A	DEFENSIVE CYBER TOOL DEVELOPMENT .....	62,262	62,262
156	0605042A	TACTICAL NETWORK RADIO SYSTEMS (LOW-TIER) .....	35,654	35,654
157	0605047A	CONTRACT WRITING SYSTEM .....	19,682	0 [-19,682]
		Program duplication .....		
158	0605049A	MISSILE WARNING SYSTEM MODERNIZATION (MWSM) .....	1,539	1,539
159	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	64,557	64,557
160	0605052A	INDIRECT FIRE PROTECTION CAPABILITY INC 2—BLOCK 1 EMAM development ahead of need .....	243,228	149,628 [-124,200]
		Iron Dome testing and delivery .....		[20,600]
		UPL Multi-Domain Artillery .....		[10,000]
161	0605053A	GROUND ROBOTICS .....	41,308	28,508 [-12,800]
		Army requested realignment .....		
162	0605054A	EMERGING TECHNOLOGY INITIATIVES .....	45,896	45,896
163	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION .....	164,883	164,883
165	0605450A	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	9,500	9,500
166	0605457A	ARMY INTEGRATED AIR AND MISSILE DEFENSE (ALAMD) ...	208,938	208,938
167	0605625A	MANNED GROUND VEHICLE .....	378,400	418,400 [40,000]
		UPL NGCV 50mm gun .....		
168	0605766A	NATIONAL CAPABILITIES INTEGRATION (MIP) .....	7,835	7,835
169	0605812A	JOINT LIGHT TACTICAL VEHICLE (JLTV) ENGINEERING AND MANUFACTURING DEVELOPMENT PH. Army requested realignment .....	2,732	7,232 [4,500]
170	0605830A	AVIATION GROUND SUPPORT EQUIPMENT .....	1,664	1,664
172	0303032A	TROJAN—RH12 .....	3,936	3,936
174	0304270A	ELECTRONIC WARFARE DEVELOPMENT .....	19,675	19,675
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>3,549,431</b>	<b>3,344,976</b>
		<b>RDT&amp;E MANAGEMENT SUPPORT</b>		
176	0604256A	THREAT SIMULATOR DEVELOPMENT .....	14,117	16,117 [2,000]
		Cybersecurity threat simulation .....		
177	0604258A	TARGET SYSTEMS DEVELOPMENT .....	8,327	8,327
178	0604759A	MAJOR T&E INVESTMENT .....	136,565	136,565
179	0605103A	RAND ARROYO CENTER .....	13,113	13,113
180	0605301A	ARMY KWAJALEIN ATOLL .....	238,691	238,691
181	0605326A	CONCEPTS EXPERIMENTATION PROGRAM .....	42,922	42,922
183	0605601A	ARMY TEST RANGES AND FACILITIES .....	334,468	349,468 [15,000]
		Directed energy test capabilities .....		
184	0605602A	ARMY TECHNICAL TEST INSTRUMENTATION AND TARGETS	46,974	46,974
185	0605604A	SURVIVABILITY/LETHALITY ANALYSIS .....	35,075	35,075
186	0605606A	AIRCRAFT CERTIFICATION .....	3,461	3,461
187	0605702A	METEOROLOGICAL SUPPORT TO RDT&E ACTIVITIES .....	6,233	6,233
188	0605706A	MATERIEL SYSTEMS ANALYSIS .....	21,342	21,342
189	0605709A	EXPLOITATION OF FOREIGN ITEMS .....	11,168	11,168
190	0605712A	SUPPORT OF OPERATIONAL TESTING .....	52,723	52,723
191	0605716A	ARMY EVALUATION CENTER .....	60,815	60,815
192	0605718A	ARMY MODELING & SIM X-CMD COLLABORATION & INTEG ...	2,527	2,527
193	0605801A	PROGRAMWIDE ACTIVITIES .....	58,175	58,175
194	0605803A	TECHNICAL INFORMATION ACTIVITIES .....	25,060	25,060
195	0605805A	MUNITIONS STANDARDIZATION, EFFECTIVENESS AND SAFETY.	44,458	44,458
196	0605857A	ENVIRONMENTAL QUALITY TECHNOLOGY MGMT SUPPORT	4,681	4,681
197	0605898A	ARMY DIRECT REPORT HEADQUARTERS—R&D - MHA .....	53,820	53,820
198	0606001A	MILITARY GROUND-BASED CREW TECHNOLOGY .....	4,291	4,291
199	0606002A	RONALD REAGAN BALLISTIC MISSILE DEFENSE TEST SITE	62,069	62,069

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200	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION .....	1,050	1,050
201	0606942A	ASSESSMENTS AND EVALUATIONS CYBER VULNERABILITIES.	4,500	4,500
		<b>SUBTOTAL RDT&amp;E MANAGEMENT SUPPORT .....</b>	<b>1,286,625</b>	<b>1,303,625</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
204	0603778A	MLRS PRODUCT IMPROVEMENT PROGRAM .....	22,877	22,877
206	0605024A	ANTI-TAMPER TECHNOLOGY SUPPORT .....	8,491	8,491
207	0607131A	WEAPONS AND MUNITIONS PRODUCT IMPROVEMENT PROGRAMS.	15,645	15,645
209	0607134A	LONG RANGE PRECISION FIRES (LRPF) .....	164,182	164,182
211	0607136A	BLACKHAWK PRODUCT IMPROVEMENT PROGRAM .....	13,039	13,039
212	0607137A	CHINOOK PRODUCT IMPROVEMENT PROGRAM .....	174,371	174,371
213	0607138A	FIXED WING PRODUCT IMPROVEMENT PROGRAM .....	4,545	4,545
214	0607139A	IMPROVED TURBINE ENGINE PROGRAM .....	206,434	206,434
216	0607142A	AVIATION ROCKET SYSTEM PRODUCT IMPROVEMENT AND DEVELOPMENT.	24,221	24,221
217	0607143A	UNMANNED AIRCRAFT SYSTEM UNIVERSAL PRODUCTS .....	32,016	32,016
218	0607145A	APACHE FUTURE DEVELOPMENT .....	5,448	5,448
219	0607312A	ARMY OPERATIONAL SYSTEMS DEVELOPMENT .....	49,526	49,526
220	0607665A	FAMILY OF BIOMETRICS .....	1,702	1,702
221	0607865A	PATRIOT PRODUCT IMPROVEMENT .....	96,430	96,430
222	0203728A	JOINT AUTOMATED DEEP OPERATION COORDINATION SYSTEM (JADOCs).	47,398	47,398
223	0203735A	COMBAT VEHICLE IMPROVEMENT PROGRAMS .....	334,463	334,463
225	0203743A	155MM SELF-PROPELLED HOWITZER IMPROVEMENTS .....	214,246	214,246
226	0203744A	AIRCRAFT MODIFICATIONS/PRODUCT IMPROVEMENT PROGRAMS.	16,486	16,486
227	0203752A	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	144	144
228	0203758A	DIGITIZATION .....	5,270	5,270
229	0203801A	MISSILE/AIR DEFENSE PRODUCT IMPROVEMENT PROGRAM	1,287	1,287
230	0203802A	OTHER MISSILE PRODUCT IMPROVEMENT PROGRAMS .....	0	24,100
		UPL CD ATACMS .....		[24,100]
234	0205412A	ENVIRONMENTAL QUALITY TECHNOLOGY—OPERATIONAL SYSTEM DEV.	732	732
235	0205456A	LOWER TIER AIR AND MISSILE DEFENSE (AMD) SYSTEM ...	107,746	107,746
236	0205778A	GUIDED MULTIPLE-LAUNCH ROCKET SYSTEM (GMLRS) .....	138,594	138,594
238	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	13,845	13,845
239	0303140A	INFORMATION SYSTEMS SECURITY PROGRAM .....	29,185	29,185
240	0303141A	GLOBAL COMBAT SUPPORT SYSTEM .....	68,976	68,976
241	0303150A	WWMCCS/GLOBAL COMMAND AND CONTROL SYSTEM .....	2,073	2,073
245	0305179A	INTEGRATED BROADCAST SERVICE (IBS) .....	459	459
246	0305204A	TACTICAL UNMANNED AERIAL VEHICLES .....	5,097	5,097
247	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	11,177	11,177
248	0305208A	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	38,121	38,121
250	0305232A	RQ-11 UAV .....	3,218	3,218
251	0305233A	RQ-7 UAV .....	7,817	7,817
252	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	2,000	2,000
253	0708045A	END ITEM INDUSTRIAL PREPAREDNESS ACTIVITIES .....	59,848	62,848
		Nanoscale materials manufacturing .....		[3,000]
254	1203142A	SATCOM GROUND ENVIRONMENT (SPACE) .....	34,169	34,169
255	1208053A	JOINT TACTICAL GROUND SYSTEM .....	10,275	10,275
999	9999999999	CLASSIFIED PROGRAMS .....	7,273	7,273
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>1,978,826</b>	<b>2,005,926</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>12,192,771</b>	<b>12,344,126</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY</b>		
		<b>BASIC RESEARCH</b>		
1	0601103N	UNIVERSITY RESEARCH INITIATIVES .....	116,850	126,850
		Cyber basic research .....		[10,000]
2	0601152N	IN-HOUSE LABORATORY INDEPENDENT RESEARCH .....	19,121	19,121
3	0601153N	DEFENSE RESEARCH SCIENCES .....	470,007	470,007
		<b>SUBTOTAL BASIC RESEARCH .....</b>	<b>605,978</b>	<b>615,978</b>
		<b>APPLIED RESEARCH</b>		
4	0602114N	POWER PROJECTION APPLIED RESEARCH .....	18,546	18,546
5	0602123N	FORCE PROTECTION APPLIED RESEARCH .....	119,517	136,017
		Carbon capture .....		[8,000]
		Electric propulsion research .....		[2,500]
		Energy resilience research .....		[3,000]
		Program reduction .....		[-5,000]
		Test bed for autonomous ship systems .....		[8,000]
6	0602131M	MARINE CORPS LANDING FORCE TECHNOLOGY .....	56,604	59,604
		Interdisciplinary cybersecurity .....		[3,000]
7	0602235N	COMMON PICTURE APPLIED RESEARCH .....	49,297	44,297
		Coordinate space activities .....		[-5,000]

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8	0602236N	WARFIGHTER SUSTAINMENT APPLIED RESEARCH .....	63,825	65,825
		Warfighter safety and performance research .....		[2,000]
9	0602271N	ELECTROMAGNETIC SYSTEMS APPLIED RESEARCH .....	83,497	78,497
		Coordinate EW activities .....		[-5,000]
10	0602435N	OCEAN WARFIGHTING ENVIRONMENT APPLIED RESEARCH .....	63,894	63,894
11	0602651M	JOINT NON-LETHAL WEAPONS APPLIED RESEARCH .....	6,346	6,346
12	0602747N	UNDERSEA WARFARE APPLIED RESEARCH .....	57,075	64,575
		Undersea vehicle technology research .....		[7,500]
13	0602750N	FUTURE NAVAL CAPABILITIES APPLIED RESEARCH .....	154,755	154,755
14	0602782N	MINE AND EXPEDITIONARY WARFARE APPLIED RESEARCH .....	36,074	36,074
15	0602792N	INNOVATIVE NAVAL PROTOTYPES (INP) APPLIED RESEARCH.	153,062	153,062
16	0602861N	SCIENCE AND TECHNOLOGY MANAGEMENT—ONR FIELD ACTIVITIES.	73,961	73,961
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>936,453</b>	<b>955,453</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
17	0603123N	FORCE PROTECTION ADVANCED TECHNOLOGY .....	35,286	35,286
18	0603271N	ELECTROMAGNETIC SYSTEMS ADVANCED TECHNOLOGY .....	9,499	9,499
19	0603640M	USMC ADVANCED TECHNOLOGY DEMONSTRATION (ATD) .....	172,847	176,847
		Consolidate efforts in AI/ML with Joint Force .....		[-5,000]
		UPL MUDLAN program increase .....		[9,000]
20	0603651M	JOINT NON-LETHAL WEAPONS TECHNOLOGY DEVELOPMENT.	13,307	13,307
21	0603673N	FUTURE NAVAL CAPABILITIES ADVANCED TECHNOLOGY DEVELOPMENT.	231,907	231,907
22	0603680N	MANUFACTURING TECHNOLOGY PROGRAM .....	60,138	60,138
23	0603729N	WARFIGHTER PROTECTION ADVANCED TECHNOLOGY .....	4,849	4,849
25	0603758N	NAVY WARFIGHTING EXPERIMENTS AND DEMONSTRATIONS.	67,739	67,739
26	0603782N	MINE AND EXPEDITIONARY WARFARE ADVANCED TECHNOLOGY.	13,335	13,335
27	0603801N	INNOVATIVE NAVAL PROTOTYPES (INP) ADVANCED TECHNOLOGY DEVELOPMENT.	133,303	128,303
		Reduce electronic maneuver .....		[-5,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>742,210</b>	<b>741,210</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
28	0603207N	AIR/OCEAN TACTICAL APPLICATIONS .....	32,643	38,643
		Program increase for 1 REMUS 600 vehicle .....		[6,000]
29	0603216N	AVIATION SURVIVABILITY .....	11,919	11,919
30	0603251N	AIRCRAFT SYSTEMS .....	1,473	1,473
31	0603254N	ASW SYSTEMS DEVELOPMENT .....	7,172	7,172
32	0603261N	TACTICAL AIRBORNE RECONNAISSANCE .....	3,419	3,419
33	0603382N	ADVANCED COMBAT SYSTEMS TECHNOLOGY .....	64,694	64,694
34	0603502N	SURFACE AND SHALLOW WATER MINE COUNTERMEASURES.	507,000	134,500
		Excess procurement ahead of satisfactory testing .....		[-372,500]
35	0603506N	SURFACE SHIP TORPEDO DEFENSE .....	15,800	15,800
36	0603512N	CARRIER SYSTEMS DEVELOPMENT .....	4,997	4,997
37	0603525N	PILOT FISH .....	291,148	291,148
38	0603527N	RETRACT LARCH .....	11,980	11,980
39	0603536N	RETRACT JUNIPER .....	129,163	129,163
40	0603542N	RADIOLOGICAL CONTROL .....	689	689
41	0603553N	SURFACE ASW .....	1,137	1,137
42	0603561N	ADVANCED SUBMARINE SYSTEM DEVELOPMENT .....	148,756	153,756
		Project 2033: Test site emergent repairs .....		[5,000]
43	0603562N	SUBMARINE TACTICAL WARFARE SYSTEMS .....	11,192	11,192
44	0603563N	SHIP CONCEPT ADVANCED DESIGN .....	81,846	57,846
		Early to need .....		[-24,000]
45	0603564N	SHIP PRELIMINARY DESIGN & FEASIBILITY STUDIES .....	69,084	22,484
		Early to need .....		[-46,600]
46	0603570N	ADVANCED NUCLEAR POWER SYSTEMS .....	181,652	181,652
47	0603573N	ADVANCED SURFACE MACHINERY SYSTEMS .....	25,408	150,408
		Surface combatant component-level prototyping .....		[125,000]
48	0603576N	CHALK EAGLE .....	64,877	64,877
49	0603581N	LITTORAL COMBAT SHIP (LCS) .....	9,934	9,934
50	0603582N	COMBAT SYSTEM INTEGRATION .....	17,251	17,251
51	0603595N	OHIO REPLACEMENT .....	419,051	434,051
		Accelerate advanced propulsor development .....		[15,000]
52	0603596N	LCS MISSION MODULES .....	108,505	103,505
		Availabe prior year funds due to SUW MP testing delay .....		[-5,000]
53	0603597N	AUTOMATED TEST AND ANALYSIS .....	7,653	7,653
54	0603599N	FRIGATE DEVELOPMENT .....	59,007	59,007
55	0603609N	CONVENTIONAL MUNITIONS .....	9,988	9,988
56	0603635M	MARINE CORPS GROUND COMBAT/SUPPORT SYSTEM .....	86,464	86,464

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57	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	33,478	33,478
58	0603713N	OCEAN ENGINEERING TECHNOLOGY DEVELOPMENT .....	5,619	5,619
59	0603721N	ENVIRONMENTAL PROTECTION .....	20,564	20,564
60	0603724N	NAVY ENERGY PROGRAM .....	26,514	26,514
61	0603725N	FACILITIES IMPROVEMENT .....	3,440	3,440
62	0603734N	CHALK CORAL .....	346,800	346,800
63	0603739N	NAVY LOGISTIC PRODUCTIVITY .....	3,857	3,857
64	0603746N	RETRACT MAPLE .....	258,519	258,519
65	0603748N	LINK PLUMERIA .....	403,909	403,909
66	0603751N	RETRACT ELM .....	63,434	63,434
67	0603764N	LINK EVERGREEN .....	184,110	184,110
68	0603790N	NATO RESEARCH AND DEVELOPMENT .....	7,697	7,697
69	0603795N	LAND ATTACK TECHNOLOGY .....	9,086	9,086
70	0603851M	JOINT NON-LETHAL WEAPONS TESTING .....	28,466	28,466
71	0603860N	JOINT PRECISION APPROACH AND LANDING SYSTEMS— DEM/VAL .....	51,341	51,341
72	0603925N	DIRECTED ENERGY AND ELECTRIC WEAPON SYSTEMS .....	118,169	118,169
73	0604014N	F/A -18 INFRARED SEARCH AND TRACK (IRST) .....	113,456	113,456
74	0604027N	DIGITAL WARFARE OFFICE .....	50,120	50,120
75	0604028N	SMALL AND MEDIUM UNMANNED UNDERSEA VEHICLES .....	32,527	32,527
76	0604029N	UNMANNED UNDERSEA VEHICLE CORE TECHNOLOGIES .....	54,376	54,376
77	0604030N	RAPID PROTOTYPING, EXPERIMENTATION AND DEM- ONSTRATION .....	36,197	36,197
78	0604031N	LARGE UNMANNED UNDERSEA VEHICLES .....	68,310	68,310
79	0604112N	GERALD R. FORD CLASS NUCLEAR AIRCRAFT CARRIER (CVN 78—80) .....	121,310	121,310
80	0604126N	LITTORAL AIRBORNE MCM .....	17,248	17,248
81	0604127N	SURFACE MINE COUNTERMEASURES .....	18,735	18,735
82	0604272N	TACTICAL AIR DIRECTIONAL INFRARED COUNTER- MEASURES (TADIRCM) .....	68,346	68,346
84	0604289M	NEXT GENERATION LOGISTICS .....	4,420	13,420
		Additive manufacturing logistics software pilot .....		[9,000]
85	0604320M	RAPID TECHNOLOGY CAPABILITY PROTOTYPE .....	4,558	4,558
86	0604454N	LX (R) .....	12,500	12,500
87	0604536N	ADVANCED UNDERSEA PROTOTYPING .....	181,967	181,967
88	0604636N	COUNTER UNMANNED AIRCRAFT SYSTEMS (C-UAS) .....	5,500	5,500
89	0604659N	PRECISION STRIKE WEAPONS DEVELOPMENT PROGRAM .....	718,148	723,148
		Increase for SLCM-N AOA .....		[5,000]
90	0604707N	SPACE AND ELECTRONIC WARFARE (SEW) ARCHITECTURE/ ENGINEERING SUPPORT .....	5,263	5,263
91	0604786N	OFFENSIVE ANTI-SURFACE WARFARE WEAPON DEVELOP- MENT .....	65,419	65,419
92	0303354N	ASW SYSTEMS DEVELOPMENT—MIP .....	9,991	9,991
93	0304240M	ADVANCED TACTICAL UNMANNED AIRCRAFT SYSTEM .....	21,157	21,157
95	0304270N	ELECTRONIC WARFARE DEVELOPMENT—MIP .....	609	609
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES .....</b>	<b>5,559,062</b>	<b>5,275,962</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
96	0603208N	TRAINING SYSTEM AIRCRAFT .....	15,514	15,514
97	0604212N	OTHER HELO DEVELOPMENT .....	28,835	28,835
98	0604214M	AV-8B AIRCRAFT—ENG DEV .....	27,441	27,441
100	0604215N	STANDARDS DEVELOPMENT .....	3,642	3,642
101	0604216N	MULTI-MISSION HELICOPTER UPGRADE DEVELOPMENT .....	19,196	19,196
104	0604230N	WARFARE SUPPORT SYSTEM .....	8,601	8,601
105	0604231N	TACTICAL COMMAND SYSTEM .....	77,232	77,232
106	0604234N	ADVANCED HAWKEYE .....	232,752	232,752
107	0604245M	H-1 UPGRADES .....	63,359	63,359
109	0604261N	ACOUSTIC SEARCH SENSORS .....	47,013	47,013
110	0604262N	V-22A .....	185,105	190,605
		Increase reliability and reduce vibrations of V-22 Nacelles .....		[5,500]
111	0604264N	AIR CREW SYSTEMS DEVELOPMENT .....	21,172	21,172
112	0604269N	EA-18 .....	143,585	143,585
113	0604270N	ELECTRONIC WARFARE DEVELOPMENT .....	116,811	116,811
114	0604273M	EXECUTIVE HELO DEVELOPMENT .....	187,436	187,436
116	0604274N	NEXT GENERATION JAMMER (NGJ) .....	524,261	524,261
117	0604280N	JOINT TACTICAL RADIO SYSTEM—NAVY (JTRS-NAVY) .....	192,345	192,345
118	0604282N	NEXT GENERATION JAMMER (NGJ) INCREMENT II .....	111,068	111,068
119	0604307N	SURFACE COMBATANT COMBAT SYSTEM ENGINEERING .....	415,625	415,625
120	0604311N	LPD-17 CLASS SYSTEMS INTEGRATION .....	640	640
121	0604329N	SMALL DIAMETER BOMB (SDB) .....	50,096	50,096
122	0604366N	STANDARD MISSILE IMPROVEMENTS .....	232,391	232,391
123	0604373N	AIRBORNE MCM .....	10,916	10,916
124	0604378N	NAVAL INTEGRATED FIRE CONTROL—COUNTER AIR SYS- TEMS ENGINEERING .....	33,379	33,379
125	0604501N	ADVANCED ABOVE WATER SENSORS .....	34,554	34,554
126	0604503N	SSN-688 AND TRIDENT MODERNIZATION .....	84,663	84,663
127	0604504N	AIR CONTROL .....	44,923	44,923

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128	0604512N	SHIPBOARD AVIATION SYSTEMS .....	10,632	10,632
129	0604518N	COMBAT INFORMATION CENTER CONVERSION .....	16,094	16,094
130	0604522N	AIR AND MISSILE DEFENSE RADAR (AMDR) SYSTEM .....	55,349	55,349
131	0604530N	ADVANCED ARRESTING GEAR (AAG) .....	123,490	123,490
132	0604558N	NEW DESIGN SSN .....	121,010	121,010
133	0604562N	SUBMARINE TACTICAL WARFARE SYSTEM .....	62,426	62,426
134	0604567N	SHIP CONTRACT DESIGN/ LIVE FIRE T&E .....	46,809	46,809
135	0604574N	NAVY TACTICAL COMPUTER RESOURCES .....	3,692	3,692
137	0604601N	MINE DEVELOPMENT .....	28,964	100,264
		UPL Quickstrike JDAM ER .....		[71,300]
138	0604610N	LIGHTWEIGHT TORPEDO DEVELOPMENT .....	148,349	148,349
139	0604654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT .....	8,237	8,237
140	0604657M	USMC GROUND COMBAT/SUPPORTING ARMS SYSTEMS— ENG DEV.	22,000	22,000
141	0604703N	PERSONNEL, TRAINING, SIMULATION, AND HUMAN FAC- TORS.	5,500	5,500
142	0604727N	JOINT STANDOFF WEAPON SYSTEMS .....	18,725	18,725
143	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	192,603	192,603
144	0604756N	SHIP SELF DEFENSE (ENGAGE: HARD KILL) .....	137,268	137,268
145	0604757N	SHIP SELF DEFENSE (ENGAGE: SOFT KILL/EW) .....	97,363	97,363
146	0604761N	INTELLIGENCE ENGINEERING .....	26,710	26,710
147	0604771N	MEDICAL DEVELOPMENT .....	8,181	8,181
148	0604777N	NAVIGATION/ID SYSTEM .....	40,755	40,755
149	0604800M	JOINT STRIKE FIGHTER (JSF)—EMD .....	1,710	1,710
150	0604800N	JOINT STRIKE FIGHTER (JSF)—EMD .....	1,490	1,490
153	0605013M	INFORMATION TECHNOLOGY DEVELOPMENT .....	1,494	1,494
154	0605013N	INFORMATION TECHNOLOGY DEVELOPMENT .....	384,162	328,722
		eProcurement program duplication .....		[-55,440]
155	0605024N	ANTI-TAMPER TECHNOLOGY SUPPORT .....	4,882	4,882
156	0605212M	CH-53K RDTE .....	516,955	506,955
		Early to need .....		[-10,000]
158	0605215N	MISSION PLANNING .....	75,886	75,886
159	0605217N	COMMON AVIONICS .....	43,187	43,187
160	0605220N	SHIP TO SHORE CONNECTOR (SSC) .....	4,909	19,909
		Expand development and use of composite materials .....		[15,000]
161	0605327N	T-AO 205 CLASS .....	1,682	1,682
162	0605414N	UNMANNED CARRIER AVIATION (UCA) .....	671,258	671,258
163	0605450M	JOINT AIR-TO-GROUND MISSILE (JAGM) .....	18,393	18,393
165	0605500N	MULTI-MISSION MARITIME AIRCRAFT (MMA) .....	21,472	21,472
166	0605504N	MULTI-MISSION MARITIME (MMA) INCREMENT III .....	177,234	177,234
167	0605611M	MARINE CORPS ASSAULT VEHICLES SYSTEM DEVELOP- MENT & DEMONSTRATION.	77,322	77,322
168	0605813M	JOINT LIGHT TACTICAL VEHICLE (JLTV) SYSTEM DEVEL- OPMENT & DEMONSTRATION.	2,105	2,105
169	0204202N	DDG-1000 .....	111,435	111,435
172	0304785N	TACTICAL CRYPTOLOGIC SYSTEMS .....	101,339	101,339
173	0306250M	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	26,406	26,406
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>6,332,033</b>	<b>6,358,393</b>
		<b>MANAGEMENT SUPPORT</b>		
174	0604256N	THREAT SIMULATOR DEVELOPMENT .....	66,678	66,678
175	0604258N	TARGET SYSTEMS DEVELOPMENT .....	12,027	12,027
176	0604759N	MAJOR T&E INVESTMENT .....	85,348	85,348
178	0605152N	STUDIES AND ANALYSIS SUPPORT—NAVY .....	3,908	3,908
179	0605154N	CENTER FOR NAVAL ANALYSES .....	47,669	47,669
180	0605285N	NEXT GENERATION FIGHTER .....	20,698	20,698
182	0605804N	TECHNICAL INFORMATION SERVICES .....	988	988
183	0605853N	MANAGEMENT, TECHNICAL & INTERNATIONAL SUPPORT .....	102,401	102,401
184	0605856N	STRATEGIC TECHNICAL SUPPORT .....	3,742	3,742
186	0605863N	RDT&E SHIP AND AIRCRAFT SUPPORT .....	93,872	93,872
187	0605864N	TEST AND EVALUATION SUPPORT .....	394,020	394,020
188	0605865N	OPERATIONAL TEST AND EVALUATION CAPABILITY .....	25,145	25,145
189	0605866N	NAVY SPACE AND ELECTRONIC WARFARE (SEW) SUPPORT .....	15,773	15,773
190	0605867N	SEW SURVEILLANCE/RECONNAISSANCE SUPPORT .....	8,402	8,402
191	0605873M	MARINE CORPS PROGRAM WIDE SUPPORT .....	37,265	37,265
192	0605898N	MANAGEMENT HQ—R&D .....	39,673	39,673
193	0606355N	WARFARE INNOVATION MANAGEMENT .....	28,750	28,750
196	0305327N	INSIDER THREAT .....	2,645	2,645
197	0902498N	MANAGEMENT HEADQUARTERS (DEPARTMENTAL SUP- PORT ACTIVITIES).	1,460	1,460
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>990,464</b>	<b>990,464</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
202	0604227N	HARPOON MODIFICATIONS .....	2,302	2,302
203	0604840M	F-35 C2D2 .....	422,881	422,881
204	0604840N	F-35 C2D2 .....	383,741	383,741
205	0607658N	COOPERATIVE ENGAGEMENT CAPABILITY (CEC) .....	127,924	127,924

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207	0101221N	STRATEGIC SUB & WEAPONS SYSTEM SUPPORT .....	157,676	157,676
208	0101224N	SSBN SECURITY TECHNOLOGY PROGRAM .....	43,354	43,354
209	0101226N	SUBMARINE ACOUSTIC WARFARE DEVELOPMENT .....	6,815	6,815
210	0101402N	NAVY STRATEGIC COMMUNICATIONS .....	31,174	31,174
211	0204136N	F/A-18 SQUADRONS .....	213,715	213,715
213	0204228N	SURFACE SUPPORT .....	36,389	36,389
214	0204229N	TOMAHAWK AND TOMAHAWK MISSION PLANNING CENTER (TMPC).	320,134	320,134
215	0204311N	INTEGRATED SURVEILLANCE SYSTEM .....	88,382	103,382
		Additional TRAPS units .....		[15,000]
216	0204313N	SHIP-TOWED ARRAY SURVEILLANCE SYSTEMS .....	14,449	14,449
217	0204413N	AMPHIBIOUS TACTICAL SUPPORT UNITS (DISPLACEMENT CRAFT).	6,931	6,931
218	0204460M	GROUND/AIR TASK ORIENTED RADAR (G/ATOR) .....	23,891	23,891
219	0204571N	CONSOLIDATED TRAINING SYSTEMS DEVELOPMENT .....	129,873	129,873
221	0204575N	ELECTRONIC WARFARE (EW) READINESS SUPPORT .....	82,325	82,325
222	0205601N	HARM IMPROVEMENT .....	138,431	138,431
224	0205620N	SURFACE ASW COMBAT SYSTEM INTEGRATION .....	29,572	29,572
225	0205632N	MK-48 ADCAP .....	85,973	85,973
226	0205633N	AVIATION IMPROVEMENTS .....	125,461	125,461
227	0205675N	OPERATIONAL NUCLEAR POWER SYSTEMS .....	106,192	106,192
228	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	143,317	143,317
229	0206335M	COMMON AVIATION COMMAND AND CONTROL SYSTEM (CAC2S).	4,489	4,489
230	0206623M	MARINE CORPS GROUND COMBAT/SUPPORTING ARMS SYSTEMS.	51,788	51,788
231	0206624M	MARINE CORPS COMBAT SERVICES SUPPORT .....	37,761	42,761
		Airborne Power Generation Tech Development .....		[5,000]
232	0206625M	USMC INTELLIGENCE/ELECTRONIC WARFARE SYSTEMS (MIP).	21,458	21,458
233	0206629M	AMPHIBIOUS ASSAULT VEHICLE .....	5,476	5,476
234	0207161N	TACTICAL AIM MISSILES .....	19,488	19,488
235	0207163N	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	39,029	39,029
239	0303109N	SATELLITE COMMUNICATIONS (SPACE) .....	34,344	34,344
240	0303138N	CONSOLIDATED AFLOAT NETWORK ENTERPRISE SERVICES (CANES).	22,873	22,873
241	0303140N	INFORMATION SYSTEMS SECURITY PROGRAM .....	41,853	41,853
243	0305192N	MILITARY INTELLIGENCE PROGRAM (MIP) ACTIVITIES .....	8,913	8,913
244	0305204N	TACTICAL UNMANNED AERIAL VEHICLES .....	9,451	9,451
245	0305205N	UAS INTEGRATION AND INTEROPERABILITY .....	42,315	42,315
246	0305208M	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	22,042	22,042
248	0305220N	MQ-4C TRITON .....	11,784	11,784
249	0305231N	MQ-8 UAV .....	29,618	29,618
250	0305232M	RQ-11 UAV .....	509	509
251	0305234N	SMALL (LEVEL 0) TACTICAL UAS (STUASL0) .....	11,545	11,545
252	0305239M	RQ-21A .....	10,914	10,914
253	0305241N	MULTI-INTELLIGENCE SENSOR DEVELOPMENT .....	70,612	70,612
254	0305242M	UNMANNED AERIAL SYSTEMS (UAS) PAYLOADS (MIP) .....	3,704	3,704
255	0305421N	RQ-4 MODERNIZATION .....	202,346	202,346
256	0308601N	MODELING AND SIMULATION SUPPORT .....	7,119	7,119
257	0702207N	DEPOT MAINTENANCE (NON-IF) .....	38,182	38,182
258	0708730N	MARITIME TECHNOLOGY (MARITECH) .....	6,779	6,779
259	1203109N	SATELLITE COMMUNICATIONS (SPACE) .....	15,868	15,868
999	9999999999	CLASSIFIED PROGRAMS .....	1,613,137	1,613,137
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>5,104,299</b>	<b>5,124,299</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY.</b>	<b>20,270,499</b>	<b>20,061,759</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF BASIC RESEARCH</b>		
1	0601102F	DEFENSE RESEARCH SCIENCES .....	356,107	356,107
2	0601103F	UNIVERSITY RESEARCH INITIATIVES .....	158,859	158,859
3	0601108F	HIGH ENERGY LASER RESEARCH INITIATIVES .....	14,795	14,795
		<b>SUBTOTAL BASIC RESEARCH</b>	<b>529,761</b>	<b>529,761</b>
		<b>APPLIED RESEARCH</b>		
4	0602102F	MATERIALS .....	128,851	122,851
		Advanced materials high energy x-ray .....		[4,000]
		Duplicative material research .....		[-10,000]
5	0602201F	AEROSPACE VEHICLE TECHNOLOGIES .....	147,724	137,724
		Reduce program growth .....		[-10,000]
6	0602202F	HUMAN EFFECTIVENESS APPLIED RESEARCH .....	131,795	131,795
7	0602203F	AEROSPACE PROPULSION .....	198,775	198,775
8	0602204F	AEROSPACE SENSORS .....	202,912	202,912
10	0602298F	SCIENCE AND TECHNOLOGY MANAGEMENT— MAJOR HEADQUARTERS ACTIVITIES.	7,968	7,968
12	0602602F	CONVENTIONAL MUNITIONS .....	142,772	142,772

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13	0602605F	DIRECTED ENERGY TECHNOLOGY .....	124,379	124,379
14	0602788F	DOMINANT INFORMATION SCIENCES AND METHODS .....	181,562	199,062
		Counter UAS cyber .....		[2,500]
		Cyberspace dominance technology research .....		[10,000]
		Quantum science .....		[5,000]
15	0602890F	HIGH ENERGY LASER RESEARCH .....	44,221	49,221
		High power microwave research .....		[5,000]
16	1206601F	SPACE TECHNOLOGY .....	124,667	124,667
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>1,435,626</b>	<b>1,442,126</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
17	0603112F	ADVANCED MATERIALS FOR WEAPON SYSTEMS .....	36,586	38,586
		Metals affordability research .....		[2,000]
18	0603199F	SUSTAINMENT SCIENCE AND TECHNOLOGY (S&T) .....	16,249	16,249
19	0603203F	ADVANCED AEROSPACE SENSORS .....	38,292	38,292
20	0603211F	AEROSPACE TECHNOLOGY DEV/DEMO .....	102,949	307,949
		Accelerate air breathing hypersonic program .....		[75,000]
		Active winglets development .....		[5,000]
		Advanced Personnel Recovery .....		[25,000]
		LCAAT .....		[100,000]
21	0603216F	AEROSPACE PROPULSION AND POWER TECHNOLOGY .....	113,973	123,973
		Advanced turbine engine gas generator .....		[10,000]
22	0603270F	ELECTRONIC COMBAT TECHNOLOGY .....	48,408	38,408
		Duplicative EW & PNT research .....		[-10,000]
23	0603401F	ADVANCED SPACECRAFT TECHNOLOGY .....	70,525	73,525
		Strategic radiation hardened microelectronic processors .....		[3,000]
24	0603444F	MAUI SPACE SURVEILLANCE SYSTEM (MSSS) .....	11,878	11,878
25	0603456F	HUMAN EFFECTIVENESS ADVANCED TECHNOLOGY DEVELOPMENT.	37,542	37,542
26	0603601F	CONVENTIONAL WEAPONS TECHNOLOGY .....	225,817	225,817
27	0603605F	ADVANCED WEAPONS TECHNOLOGY .....	37,404	37,404
28	0603680F	MANUFACTURING TECHNOLOGY PROGRAM .....	43,116	50,116
		Advanced materials and materials manufacturing .....		[7,000]
29	0603788F	BATTLESPACE KNOWLEDGE DEVELOPMENT AND DEMONSTRATION.	56,414	66,414
		Cyber applied research .....		[10,000]
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>839,153</b>	<b>1,066,153</b>
		<b>ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
31	0603260F	INTELLIGENCE ADVANCED DEVELOPMENT .....	5,672	5,672
32	0603742F	COMBAT IDENTIFICATION TECHNOLOGY .....	27,085	27,085
33	0603790F	NATO RESEARCH AND DEVELOPMENT .....	4,955	4,955
34	0603851F	INTERCONTINENTAL BALLISTIC MISSILE—DEM/VAL .....	44,109	44,109
36	0604002F	AIR FORCE WEATHER SERVICES RESEARCH .....	772	772
37	0604004F	ADVANCED ENGINE DEVELOPMENT .....	878,442	878,442
38	0604015F	LONG RANGE STRIKE—BOMBER .....	3,003,899	3,003,899
39	0604032F	DIRECTED ENERGY PROTOTYPING .....	10,000	10,000
40	0604033F	HYPERSONICS PROTOTYPING .....	576,000	576,000
41	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS .....	92,600	124,600
		UPL M-CODE acceleration .....		[32,000]
42	0604257F	ADVANCED TECHNOLOGY AND SENSORS .....	23,145	23,145
43	0604288F	NATIONAL AIRBORNE OPS CENTER (NAOC) RECAP .....	16,669	16,669
44	0604317F	TECHNOLOGY TRANSFER .....	23,614	23,614
45	0604327F	HARD AND DEEPLY BURIED TARGET DEFEAT SYSTEM (HDBTDS) PROGRAM.	113,121	113,121
46	0604414F	CYBER RESILIENCY OF WEAPON SYSTEMS-ACS .....	56,325	56,325
47	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D .....	28,034	28,034
48	0604858F	TECH TRANSITION PROGRAM .....	128,476	134,476
		Rapid repair .....		[6,000]
49	0605230F	GROUND BASED STRATEGIC DETERRENT .....	570,373	592,373
		Program consolidation .....		[22,000]
50	0207100F	LIGHT ATTACK ARMED RECONNAISSANCE (LAAR) SQUADRONS.	35,000	85,000
		Light attack experiment .....		[50,000]
51	0207110F	NEXT GENERATION AIR DOMINANCE .....	1,000,000	1,000,000
52	0207455F	THREE DIMENSIONAL LONG-RANGE RADAR (3DELRR) .....	37,290	37,290
53	0208099F	UNIFIED PLATFORM (UP) .....	10,000	10,000
54	0305236F	COMMON DATA LINK EXECUTIVE AGENT (CDL EA) .....	36,910	36,910
55	0305251F	CYBERSPACE OPERATIONS FORCES AND FORCE SUPPORT .....	35,000	35,000
56	0305601F	MISSION PARTNER ENVIRONMENTS .....	8,550	8,550
57	0306250F	CYBER OPERATIONS TECHNOLOGY DEVELOPMENT .....	198,864	240,064
		Accelerate development of Cyber National Mission Force capabilities.		[13,600]
		ETERNALDARKNESS .....		[7,100]
		Joint Common Access Platform .....		[20,500]
58	0306415F	ENABLED CYBER ACTIVITIES .....	16,632	16,632

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60	0901410F	CONTRACTING INFORMATION TECHNOLOGY SYSTEM .....	20,830	20,830
61	1203164F	NAVSTAR GLOBAL POSITIONING SYSTEM (USER EQUIP- MENT) (SPACE) .....	329,948	329,948
62	1203710F	EO/IR WEATHER SYSTEMS .....	101,222	101,222
63	1206422F	WEATHER SYSTEM FOLLOW-ON .....	225,660	225,660
64	1206425F	SPACE SITUATION AWARENESS SYSTEMS .....	29,776	29,776
65	1206427F	SPACE SYSTEMS PROTOTYPE TRANSITIONS (SSPT) .....	142,045	142,045
67	1206438F	SPACE CONTROL TECHNOLOGY .....	64,231	64,231
68	1206730F	SPACE SECURITY AND DEFENSE PROGRAM .....	56,385	56,385
69	1206760F	PROTECTED TACTICAL ENTERPRISE SERVICE (PTES) .....	105,003	95,003
		Unjustified growth .....		[-10,000]
70	1206761F	PROTECTED TACTICAL SERVICE (PTS) .....	173,694	163,694
		Unjustified growth .....		[-10,000]
71	1206855F	EVOLVED STRATEGIC SATCOM (ESS) .....	172,206	172,206
72	1206857F	SPACE RAPID CAPABILITIES OFFICE .....	33,742	33,742
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>	<b>8,436,279</b>	<b>8,567,479</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
73	0604200F	FUTURE ADVANCED WEAPON ANALYSIS & PROGRAMS .....	246,200	97,120
		ERWn contract delay .....		[-149,080]
74	0604201F	PNT RESILIENCY, MODS, AND IMPROVEMENTS .....	67,782	148,782
		UPL M-Code Acceleration .....		[81,000]
75	0604222F	NUCLEAR WEAPONS SUPPORT .....	4,406	4,406
76	0604270F	ELECTRONIC WARFARE DEVELOPMENT .....	2,066	2,066
77	0604281F	TACTICAL DATA NETWORKS ENTERPRISE .....	229,631	229,631
78	0604287F	PHYSICAL SECURITY EQUIPMENT .....	9,700	9,700
79	0604329F	SMALL DIAMETER BOMB (SDB)—EMD .....	31,241	31,241
80	0604429F	AIRBORNE ELECTRONIC ATTACK .....	2	2
81	0604602F	ARMAMENT/ORDNANCE DEVELOPMENT .....	28,043	28,043
82	0604604F	SUBMUNITIONS .....	3,045	3,045
83	0604617F	AGILE COMBAT SUPPORT .....	19,944	19,944
84	0604706F	LIFE SUPPORT SYSTEMS .....	8,624	8,624
85	0604735F	COMBAT TRAINING RANGES .....	37,365	37,365
86	0604800F	F-35—EMD .....	7,628	7,628
87	0604932F	LONG RANGE STANDOFF WEAPON .....	712,539	712,539
88	0604933F	ICBM FUZE MODERNIZATION .....	161,199	161,199
89	0605030F	JOINT TACTICAL NETWORK CENTER (JTNC) .....	2,414	2,414
91	0605056F	OPEN ARCHITECTURE MANAGEMENT .....	30,000	30,000
93	0605221F	KC-46 .....	59,561	59,561
94	0605223F	ADVANCED PILOT TRAINING .....	348,473	348,473
95	0605229F	COMBAT RESCUE HELICOPTER .....	247,047	247,047
98	0605931F	B-2 DEFENSIVE MANAGEMENT SYSTEM .....	294,400	294,400
99	0101125F	NUCLEAR WEAPONS MODERNIZATION .....	27,564	27,564
100	0101213F	MINUTEMAN SQUADRONS .....	1	1
101	0207171F	F-15 EPAWSS .....	47,322	47,322
102	0207328F	STAND IN ATTACK WEAPON .....	162,840	162,840
103	0207701F	FULL COMBAT MISSION TRAINING .....	9,797	9,797
106	0401310F	C-32 EXECUTIVE TRANSPORT RECAPITALIZATION .....	9,930	9,930
107	0401319F	VC-25B .....	757,923	757,923
108	0701212F	AUTOMATED TEST SYSTEMS .....	2,787	2,787
109	1203176F	COMBAT SURVIVOR EVADER LOCATOR .....	2,000	2,000
110	1203269F	GPS III FOLLOW-ON (GPS IIF) .....	462,875	462,875
111	1203940F	SPACE SITUATION AWARENESS OPERATIONS .....	76,829	76,829
112	1206421F	COUNTERSPACE SYSTEMS .....	29,037	29,037
113	1206422F	WEATHER SYSTEM FOLLOW-ON .....	2,237	2,237
114	1206425F	SPACE SITUATION AWARENESS SYSTEMS .....	412,894	412,894
115	1206426F	SPACE FENCE .....	0	20,000
		Space Fence .....		[20,000]
116	1206431F	ADVANCED EHF MILSATCOM (SPACE) .....	117,290	117,290
117	1206432F	POLAR MILSATCOM (SPACE) .....	427,400	427,400
118	1206433F	WIDEBAND GLOBAL SATCOM (SPACE) .....	1,920	1,920
119	1206441F	SPACE BASED INFRARED SYSTEM (SBIRS) HIGH EMD .....	1	1
120	1206442F	NEXT GENERATION OPIR .....	1,395,278	1,395,278
122	1206853F	NATIONAL SECURITY SPACE LAUNCH PROGRAM (SPACE)— EMD .....	432,009	432,009
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>	<b>6,929,244</b>	<b>6,881,164</b>
		<b>MANAGEMENT SUPPORT</b>		
123	0604256F	THREAT SIMULATOR DEVELOPMENT .....	59,693	59,693
124	0604759F	MAJOR T&E INVESTMENT .....	181,663	232,663
		UPL M-Code Acceleration .....		[36,000]
		Utah training range instrumentation .....		[15,000]
125	0605101F	RAND PROJECT AIR FORCE .....	35,258	35,258
127	0605712F	INITIAL OPERATIONAL TEST & EVALUATION .....	13,793	13,793
128	0605807F	TEST AND EVALUATION SUPPORT .....	717,895	771,895
		Accelerate prototype program .....		[5,000]

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Line	Program Element	Item	FY 2020 Request	Senate Authorized
		Facilitates 5G test and evaluation .....		[49,000]
129	0605826F	ACQ WORKFORCE- GLOBAL POWER .....	258,667	258,667
130	0605827F	ACQ WORKFORCE- GLOBAL VIG & COMBAT SYS .....	251,992	251,992
131	0605828F	ACQ WORKFORCE- GLOBAL REACH .....	149,191	149,191
132	0605829F	ACQ WORKFORCE- CYBER, NETWORK, & BUS SYS .....	235,360	235,360
133	0605830F	ACQ WORKFORCE- GLOBAL BATTLE MGMT .....	160,196	160,196
134	0605831F	ACQ WORKFORCE- CAPABILITY INTEGRATION .....	220,255	220,255
135	0605832F	ACQ WORKFORCE- ADVANCED PRGM TECHNOLOGY .....	42,392	42,392
136	0605833F	ACQ WORKFORCE- NUCLEAR SYSTEMS .....	133,231	133,231
137	0605898F	MANAGEMENT HQ—R&D .....	5,590	5,590
138	0605976F	FACILITIES RESTORATION AND MODERNIZATION—TEST AND EVALUATION SUPPORT.	88,445	88,445
139	0605978F	FACILITIES SUSTAINMENT—TEST AND EVALUATION SUPPORT.	29,424	29,424
140	0606017F	REQUIREMENTS ANALYSIS AND MATURATION .....	62,715	62,715
141	0606398F	MANAGEMENT HQ—T&E .....	5,013	5,013
142	0308602F	ENTEPRISE INFORMATION SERVICES (EIS) .....	17,128	17,128
143	0702806F	ACQUISITION AND MANAGEMENT SUPPORT .....	5,913	5,913
144	0804731F	GENERAL SKILL TRAINING .....	1,475	1,475
146	1001004F	INTERNATIONAL ACTIVITIES .....	4,071	4,071
147	1206116F	SPACE TEST AND TRAINING RANGE DEVELOPMENT .....	19,942	19,942
148	1206392F	SPACE AND MISSILE CENTER (SMC) CIVILIAN WORKFORCE	167,810	167,810
149	1206398F	SPACE & MISSILE SYSTEMS CENTER—MHA .....	10,170	10,170
150	1206860F	ROCKET SYSTEMS LAUNCH PROGRAM (SPACE) .....	13,192	13,192
151	1206864F	SPACE TEST PROGRAM (STP) .....	26,097	26,097
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>2,916,571</b>	<b>3,021,571</b>
		<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>		
152	0604003F	ADVANCED BATTLE MANAGEMENT SYSTEM (ABMS) .....	35,611	84,611
		Accelerates 5G military use .....		[49,000]
154	0604233F	SPECIALIZED UNDERGRADUATE FLIGHT TRAINING .....	2,584	2,584
156	0604776F	DEPLOYMENT & DISTRIBUTION ENTERPRISE R&D .....	903	903
157	0604840F	F-35 C2D2 .....	694,455	694,455
158	0605018F	AF INTEGRATED PERSONNEL AND PAY SYSTEM (AF-IPPS) ..	40,567	0
		Poor agile development .....		[-40,567]
159	0605024F	ANTI-TAMPER TECHNOLOGY EXECUTIVE AGENCY .....	47,193	47,193
160	0605117F	FOREIGN MATERIEL ACQUISITION AND EXPLOITATION .....	70,083	70,083
161	0605278F	HC/MC-130 RECAP RDT&E .....	17,218	4,818
		program delay .....		[-12,400]
162	0606018F	NC3 INTEGRATION .....	25,917	25,917
164	0101113F	B-52 SQUADRONS .....	325,974	325,974
165	0101122F	AIR-LAUNCHED CRUISE MISSILE (ALCM) .....	10,217	10,217
166	0101126F	B-1B SQUADRONS .....	1,000	1,000
167	0101127F	B-2 SQUADRONS .....	97,276	97,276
168	0101213F	MINUTEMAN SQUADRONS .....	128,961	106,961
		Program consolidation .....		[-22,000]
170	0101316F	WORLDWIDE JOINT STRATEGIC COMMUNICATIONS .....	18,177	18,177
171	0101324F	INTEGRATED STRATEGIC PLANNING & ANALYSIS NETWORK.	24,261	24,261
172	0101328F	ICBM REENTRY VEHICLES .....	75,571	75,571
174	0102110F	UH-1N REPLACEMENT PROGRAM .....	170,975	170,975
176	0205219F	MQ-9 UAV .....	154,996	154,996
178	0207131F	A-10 SQUADRONS .....	36,816	36,816
179	0207133F	F-16 SQUADRONS .....	193,013	193,013
180	0207134F	F-15E SQUADRONS .....	336,079	336,079
181	0207136F	MANNED DESTRUCTIVE SUPPRESSION .....	15,521	15,521
182	0207138F	F-22A SQUADRONS .....	496,298	496,298
183	0207142F	F-35 SQUADRONS .....	99,943	99,943
184	0207161F	TACTICAL AIM MISSILES .....	10,314	10,314
185	0207163F	ADVANCED MEDIUM RANGE AIR-TO-AIR MISSILE (AMRAAM)	55,384	55,384
186	0207227F	COMBAT RESCUE—PARARESCUE .....	281	281
187	0207247F	AF TENCAP .....	21,365	21,365
188	0207249F	PRECISION ATTACK SYSTEMS PROCUREMENT .....	10,696	10,696
189	0207253F	COMPASS CALL .....	15,888	15,888
190	0207268F	AIRCRAFT ENGINE COMPONENT IMPROVEMENT PROGRAM	112,505	112,505
191	0207325F	JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM) .....	78,498	78,498
192	0207410F	AIR & SPACE OPERATIONS CENTER (AOC) .....	114,864	114,864
193	0207412F	CONTROL AND REPORTING CENTER (CRC) .....	8,109	8,109
194	0207417F	AIRBORNE WARNING AND CONTROL SYSTEM (AWACS) .....	67,996	67,996
195	0207418F	TACTICAL AIRBORNE CONTROL SYSTEMS .....	2,462	2,462
197	0207431F	COMBAT AIR INTELLIGENCE SYSTEM ACTIVITIES .....	13,668	13,668
198	0207444F	TACTICAL AIR CONTROL PARTY-MOD .....	6,217	6,217
200	0207452F	DCAPES .....	19,910	19,910
201	0207573F	NATIONAL TECHNICAL NUCLEAR FORENSICS .....	1,788	1,788
202	0207590F	SEEK EAGLE .....	28,237	28,237
203	0207601F	USAF MODELING AND SIMULATION .....	15,725	15,725
204	0207605F	WARGAMING AND SIMULATION CENTERS .....	4,316	4,316
205	0207610F	BATTLEFIELD ABN COMM NODE (BACN) .....	26,946	26,946

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206	0207697F	DISTRIBUTED TRAINING AND EXERCISES .....	4,303	4,303
207	0208006F	MISSION PLANNING SYSTEMS .....	71,465	71,465
208	0208007F	TACTICAL DECEPTION .....	7,446	7,446
209	0208064F	OPERATIONAL HQ—CYBER .....	7,602	7,602
210	0208087F	DISTRIBUTED CYBER WARFARE OPERATIONS .....	35,178	35,178
211	0208088F	AF DEFENSIVE CYBERSPACE OPERATIONS .....	16,609	16,609
212	0208097F	JOINT CYBER COMMAND AND CONTROL (JCC2) .....	11,603	11,603
213	0208099F	UNIFIED PLATFORM (UP) .....	84,702	84,702
218	0301004F	ADVANCED DATA TRANSPORT FLIGHT TEST .....	0	21,000
		Accelerate prototype test of 5G .....		[21,000]
219	0301025F	GEOBASE .....	2,723	2,723
220	0301112F	NUCLEAR PLANNING AND EXECUTION SYSTEM (NPES) .....	44,190	44,190
226	0301401F	AIR FORCE SPACE AND CYBER NON-TRADITIONAL ISR FOR BATTLESPACE AWARENESS .....	3,575	3,575
227	0302015F	E-4B NATIONAL AIRBORNE OPERATIONS CENTER (NAOC) ...	70,173	70,173
228	0303131F	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NET- WORK (MEECN) .....	13,543	13,543
229	0303133F	HIGH FREQUENCY RADIO SYSTEMS .....	15,881	15,881
230	0303140F	INFORMATION SYSTEMS SECURITY PROGRAM .....	27,726	27,726
232	0303142F	GLOBAL FORCE MANAGEMENT—DATA INITIATIVE .....	2,210	2,210
234	0304115F	MULTI DOMAIN COMMAND AND CONTROL (MDC2) .....	150,880	150,880
235	0304260F	AIRBORNE SIGINT ENTERPRISE .....	102,667	102,667
236	0304310F	COMMERCIAL ECONOMIC ANALYSIS .....	3,431	3,431
239	0305015F	C2 AIR OPERATIONS SUITE—C2 INFO SERVICES .....	9,313	9,313
240	0305020F	CCMD INTELLIGENCE INFORMATION TECHNOLOGY .....	1,121	1,121
241	0305022F	ISR MODERNIZATION & AUTOMATION DVMT (IMAD) .....	19,000	0
		Not mature plan .....		[-19,000]
242	0305099F	GLOBAL AIR TRAFFIC MANAGEMENT (GATM) .....	4,544	4,544
243	0305111F	WEATHER SERVICE .....	25,461	25,461
244	0305114F	AIR TRAFFIC CONTROL, APPROACH, AND LANDING SYSTEM (ATCALs) .....	5,651	5,651
245	0305116F	AERIAL TARGETS .....	7,448	7,448
248	0305128F	SECURITY AND INVESTIGATIVE ACTIVITIES .....	425	425
249	0305145F	ARMS CONTROL IMPLEMENTATION .....	54,546	54,546
250	0305146F	DEFENSE JOINT COUNTERINTELLIGENCE ACTIVITIES .....	6,858	6,858
252	0305179F	INTEGRATED BROADCAST SERVICE (IBS) .....	8,728	8,728
253	0305202F	DRAGON U-2 .....	38,939	38,939
255	0305206F	AIRBORNE RECONNAISSANCE SYSTEMS .....	122,909	122,909
256	0305207F	MANNED RECONNAISSANCE SYSTEMS .....	11,787	11,787
257	0305208F	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	25,009	25,009
258	0305220F	RQ-4 UAV .....	191,733	191,733
259	0305221F	NETWORK-CENTRIC COLLABORATIVE TARGETING .....	10,757	10,757
260	0305238F	NATO AGS .....	32,567	32,567
261	0305240F	SUPPORT TO DCGS ENTERPRISE .....	37,774	37,774
262	0305600F	INTERNATIONAL INTELLIGENCE TECHNOLOGY AND AR- CHITECTURES .....	13,515	13,515
263	0305881F	RAPID CYBER ACQUISITION .....	4,383	4,383
264	0305984F	PERSONNEL RECOVERY COMMAND & CTRL (PRC2) .....	2,133	2,133
265	0307577F	INTELLIGENCE MISSION DATA (IMD) .....	8,614	8,614
266	0401115F	C-130 AIRLIFT SQUADRON .....	140,425	140,425
267	0401119F	C-5 AIRLIFT SQUADRONS (IF) .....	10,223	10,223
268	0401130F	C-17 AIRCRAFT (IF) .....	25,101	25,101
269	0401132F	C-130J PROGRAM .....	8,640	8,640
270	0401134F	LARGE AIRCRAFT IR COUNTERMEASURES (LAIRCM) .....	5,424	5,424
272	0401219F	KC-10S .....	20	20
274	0401318F	CV-22 .....	17,906	17,906
276	0408011F	SPECIAL TACTICS / COMBAT CONTROL .....	3,629	3,629
277	0702207F	DEPOT MAINTENANCE (NON-IF) .....	1,890	1,890
278	0708055F	MAINTENANCE, REPAIR & OVERHAUL SYSTEM .....	10,311	10,311
279	0708610F	LOGISTICS INFORMATION TECHNOLOGY (LOGIT) .....	16,065	16,065
280	0708611F	SUPPORT SYSTEMS DEVELOPMENT .....	539	539
281	0804743F	OTHER FLIGHT TRAINING .....	2,057	2,057
282	0808716F	OTHER PERSONNEL ACTIVITIES .....	10	10
283	0901202F	JOINT PERSONNEL RECOVERY AGENCY .....	2,060	2,060
284	0901218F	CIVILIAN COMPENSATION PROGRAM .....	3,809	3,809
285	0901220F	PERSONNEL ADMINISTRATION .....	6,476	6,476
286	0901226F	AIR FORCE STUDIES AND ANALYSIS AGENCY .....	1,443	1,443
287	0901538F	FINANCIAL MANAGEMENT INFORMATION SYSTEMS DEVEL- OPMENT .....	9,323	9,323
288	0901554F	DEFENSE ENTERPRISE ACNTNG AND MGT SYS (DEAMS) ....	46,789	46,789
289	1201017F	GLOBAL SENSOR INTEGRATED ON NETWORK (GSIN) .....	3,647	3,647
290	1201921F	SERVICE SUPPORT TO STRATCOM—SPACE ACTIVITIES .....	988	988
291	1202140F	SERVICE SUPPORT TO SPACECOM ACTIVITIES .....	11,863	11,863
293	1203001F	FAMILY OF ADVANCED BLOS TERMINALS (FAB-T) .....	197,388	197,388
294	1203110F	SATELLITE CONTROL NETWORK (SPACE) .....	61,891	61,891
297	1203173F	SPACE AND MISSILE TEST AND EVALUATION CENTER .....	4,566	4,566
298	1203174F	SPACE INNOVATION, INTEGRATION AND RAPID TECH- NOLOGY DEVELOPMENT .....	43,292	43,292

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300	1203182F	SPACELIFT RANGE SYSTEM (SPACE) .....	10,837	10,837
301	1203265F	GPS III SPACE SEGMENT .....	42,440	42,440
302	1203400F	SPACE SUPERIORITY INTELLIGENCE .....	14,428	14,428
303	1203614F	JSPOC MISSION SYSTEM .....	72,762	72,762
304	1203620F	NATIONAL SPACE DEFENSE CENTER .....	2,653	2,653
306	1203873F	BALLISTIC MISSILE DEFENSE RADARS .....	15,881	15,881
308	1203913F	NUDET DETECTION SYSTEM (SPACE) .....	49,300	49,300
309	1203940F	SPACE SITUATION AWARENESS OPERATIONS .....	17,834	17,834
310	1206423F	GLOBAL POSITIONING SYSTEM III—OPERATIONAL CON- TROL SEGMENT.	445,302	445,302
311	1206770F	ENTERPRISE GROUND SERVICES .....	138,870	138,870
999	999999999	CLASSIFIED PROGRAMS .....	18,029,506	18,351,506
		Transfer back to base funding .....		[322,000]
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT</b>	<b>24,529,488</b>	<b>24,827,521</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF</b>	<b>45,616,122</b>	<b>46,335,775</b>
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW</b>		
		<b>BASIC RESEARCH</b>		
1	0601000BR	DTRA BASIC RESEARCH .....	26,000	26,000
2	0601101E	DEFENSE RESEARCH SCIENCES .....	432,284	432,284
3	0601110D8Z	BASIC RESEARCH INITIATIVES .....	48,874	58,874
		DEPSCOR .....		[10,000]
4	0601117E	BASIC OPERATIONAL MEDICAL RESEARCH SCIENCE .....	54,122	54,122
5	0601120D8Z	NATIONAL DEFENSE EDUCATION PROGRAM .....	92,074	102,074
		Submarine industrial base workforce training and education .....		[10,000]
6	0601228D8Z	HISTORICALLY BLACK COLLEGES AND UNIVERSITIES/MI- NORITY INSTITUTIONS.	30,708	32,708
		Aerospace research and education .....		[2,000]
7	0601384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	45,238	45,238
		<b>SUBTOTAL BASIC RESEARCH</b>	<b>729,300</b>	<b>751,300</b>
		<b>APPLIED RESEARCH</b>		
8	0602000D8Z	JOINT MUNITIONS TECHNOLOGY .....	19,306	19,306
9	0602115E	BIOMEDICAL TECHNOLOGY .....	97,771	97,771
11	0602234D8Z	LINCOLN LABORATORY RESEARCH PROGRAM .....	52,317	52,317
12	0602251D8Z	APPLIED RESEARCH FOR THE ADVANCEMENT OF S&T PRI- ORITIES.	62,200	64,200
		Computer modeling of PFAS .....		[2,000]
13	0602303E	INFORMATION & COMMUNICATIONS TECHNOLOGY .....	442,556	442,556
14	0602383E	BIOLOGICAL WARFARE DEFENSE .....	34,588	34,588
15	0602384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	202,587	202,587
16	0602668D8Z	CYBER SECURITY RESEARCH .....	15,118	25,118
		Academic cyber institutes .....		[10,000]
17	0602702E	TACTICAL TECHNOLOGY .....	337,602	337,602
18	0602715E	MATERIALS AND BIOLOGICAL TECHNOLOGY .....	223,976	223,976
19	0602716E	ELECTRONICS TECHNOLOGY .....	332,192	332,192
20	0602718BR	COUNTER WEAPONS OF MASS DESTRUCTION APPLIED RE- SEARCH.	179,096	179,096
21	0602751D8Z	SOFTWARE ENGINEERING INSTITUTE (SEI) APPLIED RE- SEARCH.	9,580	9,580
22	1160401BB	SOF TECHNOLOGY DEVELOPMENT .....	40,569	40,569
		<b>SUBTOTAL APPLIED RESEARCH</b>	<b>2,049,458</b>	<b>2,061,458</b>
		<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>		
23	0603000D8Z	JOINT MUNITIONS ADVANCED TECHNOLOGY .....	25,779	25,779
24	0603121D8Z	SO/LIC ADVANCED DEVELOPMENT .....	5,000	5,000
25	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	70,517	70,517
26	0603133D8Z	FOREIGN COMPARATIVE TESTING .....	24,970	24,970
28	0603160BR	COUNTER WEAPONS OF MASS DESTRUCTION ADVANCED TECHNOLOGY DEVELOPMENT.	340,065	340,065
29	0603176C	ADVANCED CONCEPTS AND PERFORMANCE ASSESSMENT ...	14,208	14,208
30	0603178C	WEAPONS TECHNOLOGY .....	10,000	10,000
31	0603180C	ADVANCED RESEARCH .....	20,674	20,674
32	0603225D8Z	JOINT DOD-DOE MUNITIONS TECHNOLOGY DEVELOPMENT	18,773	18,773
33	0603286E	ADVANCED AEROSPACE SYSTEMS .....	279,741	279,741
34	0603287E	SPACE PROGRAMS AND TECHNOLOGY .....	202,606	202,606
35	0603288D8Z	ANALYTIC ASSESSMENTS .....	19,429	19,429
36	0603289D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS .....	37,645	37,645
37	0603291D8Z	ADVANCED INNOVATIVE ANALYSIS AND CONCEPTS—MHA ...	14,668	14,668
38	0603294C	COMMON KILL VEHICLE TECHNOLOGY .....	13,600	13,600
40	0603342D8Z	DEFENSE INNOVATION UNIT (DIU) .....	29,398	36,898
		Accelerate Artificial Intelligence solutions .....		[7,500]
41	0603375D8Z	TECHNOLOGY INNOVATION .....	60,000	60,000
42	0603384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—AD- VANCED DEVELOPMENT.	172,486	172,486
43	0603527D8Z	RETRACT LARCH .....	159,688	159,688
44	0603618D8Z	JOINT ELECTRONIC ADVANCED TECHNOLOGY .....	12,063	12,063

**SEC. 4201. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
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Line	Program Element	Item	FY 2020 Request	Senate Authorized
45	0603648D8Z	JOINT CAPABILITY TECHNOLOGY DEMONSTRATIONS .....	107,359	89,859
		Program reduction .....		[-17,500]
46	0603662D8Z	NETWORKED COMMUNICATIONS CAPABILITIES .....	2,858	2,858
47	0603680D8Z	DEFENSE-WIDE MANUFACTURING SCIENCE AND TECHNOLOGY PROGRAM .....	96,397	96,397
48	0603680S	MANUFACTURING TECHNOLOGY PROGRAM .....	42,834	42,834
49	0603699D8Z	EMERGING CAPABILITIES TECHNOLOGY DEVELOPMENT ....	80,911	70,911
		Program reduction .....		[-10,000]
50	0603712S	GENERIC LOGISTICS R&D TECHNOLOGY DEMONSTRATIONS .....	10,817	10,817
51	0603716D8Z	STRATEGIC ENVIRONMENTAL RESEARCH PROGRAM .....	66,157	76,157
		SERDP .....		[10,000]
52	0603720S	MICROELECTRONICS TECHNOLOGY DEVELOPMENT AND SUPPORT .....	171,771	171,771
53	0603727D8Z	JOINT WARFIGHTING PROGRAM .....	4,846	4,846
54	0603739E	ADVANCED ELECTRONICS TECHNOLOGIES .....	128,616	128,616
55	0603760E	COMMAND, CONTROL AND COMMUNICATIONS SYSTEMS .....	232,134	232,134
56	0603766E	NETWORK-CENTRIC WARFARE TECHNOLOGY .....	512,424	512,424
57	0603767E	SENSOR TECHNOLOGY .....	163,903	163,903
58	0603769D8Z	DISTRIBUTED LEARNING ADVANCED TECHNOLOGY DEVELOPMENT .....	13,723	13,723
59	0603781D8Z	SOFTWARE ENGINEERING INSTITUTE .....	15,111	15,111
60	0603826D8Z	QUICK REACTION SPECIAL PROJECTS .....	47,147	47,147
61	0603833D8Z	ENGINEERING SCIENCE & TECHNOLOGY .....	19,376	19,376
62	0603924D8Z	HIGH ENERGY LASER ADVANCED TECHNOLOGY PROGRAM .....	85,223	85,223
63	0603941D8Z	TEST & EVALUATION SCIENCE & TECHNOLOGY .....	175,574	185,574
		Program increase to support NDS technologies .....		[10,000]
64	0603950D8Z	NATIONAL SECURITY INNOVATION NETWORK .....	25,000	25,000
65	0604055D8Z	OPERATIONAL ENERGY CAPABILITY IMPROVEMENT .....	70,536	70,536
66	0303310D8Z	CWMD SYSTEMS .....	28,907	28,907
68	1160402BB	SOF ADVANCED TECHNOLOGY DEVELOPMENT .....	89,154	89,154
69	1206310SDA	SPACE SCIENCE AND TECHNOLOGY RESEARCH AND DEVELOPMENT .....	20,000	20,000
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>3,742,088</b>	<b>3,742,088</b>
		<b>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>		
70	0603161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E ADC&P .....	42,695	42,695
71	0603600D8Z	WALKOFF .....	92,791	92,791
72	0603821D8Z	ACQUISITION ENTERPRISE DATA & INFORMATION SERVICES .....	5,659	5,659
73	0603851D8Z	ENVIRONMENTAL SECURITY TECHNICAL CERTIFICATION PROGRAM .....	66,572	76,572
		ESTCP .....		[10,000]
74	0603881C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEGMENT .....	302,761	302,761
75	0603882C	BALLISTIC MISSILE DEFENSE MIDCOURSE DEFENSE SEGMENT .....	1,156,506	1,156,506
76	0603884BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—DEVAL .....	83,662	83,662
77	0603884C	BALLISTIC MISSILE DEFENSE SENSORS .....	283,487	283,487
78	0603890C	BMD ENABLING PROGRAMS .....	571,507	571,507
79	0603891C	SPECIAL PROGRAMS—MDA .....	377,098	502,098
		Classified .....		[125,000]
80	0603892C	AEGIS BMD .....	727,479	727,479
81	0603896C	BALLISTIC MISSILE DEFENSE COMMAND AND CONTROL, BATTLE MANAGEMENT AND COMMUNICATIONS .....	564,206	564,206
82	0603898C	BALLISTIC MISSILE DEFENSE JOINT WARFIGHTER SUPPORT .....	51,532	51,532
83	0603904C	MISSILE DEFENSE INTEGRATION & OPERATIONS CENTER (MDIOC) .....	56,161	56,161
84	0603906C	REGARDING TRENCH .....	22,424	22,424
85	0603907C	SEA BASED X-BAND RADAR (SBX) .....	128,156	128,156
86	0603913C	ISRAELI COOPERATIVE PROGRAMS .....	300,000	300,000
87	0603914C	BALLISTIC MISSILE DEFENSE TEST .....	395,924	395,924
88	0603915C	BALLISTIC MISSILE DEFENSE TARGETS .....	554,171	554,171
89	0603920D8Z	HUMANITARIAN DEMINING .....	10,820	10,820
90	0603923D8Z	COALITION WARFARE .....	11,316	11,316
91	0604016D8Z	DEPARTMENT OF DEFENSE CORROSION PROGRAM .....	3,365	3,365
92	0604115C	TECHNOLOGY MATURATION INITIATIVES .....	303,458	269,458
		Neutral particle beam .....		[-34,000]
93	0604132D8Z	MISSILE DEFEAT PROJECT .....	17,816	17,816
95	0604181C	HYPERSONIC DEFENSE .....	157,425	157,425
96	0604250D8Z	ADVANCED INNOVATIVE TECHNOLOGIES .....	1,312,735	1,343,735
		Hypervelocity Gun Weapon System .....		[81,000]
		Unjustified growth to SCO .....		[-50,000]
97	0604294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	542,421	547,421

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Line	Program Element	Item	FY 2020 Request	Senate Authorized
		Trusted and assured microelectronics research .....		[5,000]
98	0604331D8Z	RAPID PROTOTYPING PROGRAM .....	100,957	50,957
		Uncoordinated prototyping efforts .....		[-50,000]
99	0604341D8Z	DEFENSE INNOVATION UNIT (DIU) PROTOTYPING .....	92,000	92,000
100	0604400D8Z	DEPARTMENT OF DEFENSE (DOD) UNMANNED SYSTEM COMMON DEVELOPMENT.	3,021	3,021
102	0604672C	HOMELAND DEFENSE RADAR—HAWAII (HDR-H) .....	274,714	274,714
103	0604673C	PACIFIC DISCRIMINATING RADAR .....	6,711	6,711
104	0604682D8Z	WARGAMING AND SUPPORT FOR STRATEGIC ANALYSIS (SSA).	3,751	3,751
105	0604775BR	DEFENSE RAPID INNOVATION PROGRAM .....	14,021	14,021
107	0604826J	JOINT C5 CAPABILITY DEVELOPMENT, INTEGRATION AND INTEROPERABILITY ASSESSMENTS.	20,062	20,062
108	0604873C	LONG RANGE DISCRIMINATION RADAR (LRDR) .....	136,423	136,423
109	0604874C	IMPROVED HOMELAND DEFENSE INTERCEPTORS .....	412,363	412,363
110	0604876C	BALLISTIC MISSILE DEFENSE TERMINAL DEFENSE SEG- MENT TEST.	25,137	25,137
111	0604878C	AEGIS BMD TEST .....	169,822	169,822
112	0604879C	BALLISTIC MISSILE DEFENSE SENSOR TEST .....	105,530	105,530
113	0604880C	LAND-BASED SM-3 (LBSM3) .....	38,352	38,352
115	0604887C	BALLISTIC MISSILE DEFENSE MDCOURSE SEGMENT TEST	98,139	98,139
117	0300206R	ENTERPRISE INFORMATION TECHNOLOGY SYSTEMS .....	1,600	1,600
118	0303191D8Z	JOINT ELECTROMAGNETIC TECHNOLOGY (JET) PROGRAM	3,191	3,191
119	0305103C	CYBER SECURITY INITIATIVE .....	1,138	1,138
120	1206410SDA	SPACE TECHNOLOGY DEVELOPMENT AND PROTOTYPING .. Missile defense studies realignment .....	85,000	55,000 [-30,000]
121	1206893C	SPACE TRACKING & SURVEILLANCE SYSTEM .....	35,849	35,849
122	1206895C	BALLISTIC MISSILE DEFENSE SYSTEM SPACE PROGRAMS .. HBTSS unfunded requirement .....	27,565	135,565 [108,000]
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.</b>	<b>9,797,493</b>	<b>9,962,493</b>
		<b>SYSTEM DEVELOPMENT AND DEMONSTRATION</b>		
123	0604161D8Z	NUCLEAR AND CONVENTIONAL PHYSICAL SECURITY EQUIPMENT RDT&E SDD.	11,276	11,276
124	0604165D8Z	PROMPT GLOBAL STRIKE CAPABILITY DEVELOPMENT .....	107,000	107,000
125	0604384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM—EMD .....	384,047	384,047
126	0604771D8Z	JOINT TACTICAL INFORMATION DISTRIBUTION SYSTEM (JTIDS).	40,102	40,102
127	0605000BR	COUNTER WEAPONS OF MASS DESTRUCTION SYSTEMS DE- VELOPMENT.	13,100	13,100
128	0605013BL	INFORMATION TECHNOLOGY DEVELOPMENT .....	3,070	3,070
129	0605021SE	HOMELAND PERSONNEL SECURITY INITIATIVE .....	7,295	7,295
130	0605022D8Z	DEFENSE EXPORTABILITY PROGRAM .....	17,615	17,615
131	0605027D8Z	OUS(D) IT DEVELOPMENT INITIATIVES .....	15,653	15,653
132	0605070S	DOD ENTERPRISE SYSTEMS DEVELOPMENT AND DEM- ONSTRATION.	2,378	2,378
133	0605075D8Z	CMO POLICY AND INTEGRATION .....	1,618	1,618
134	0605080S	DEFENSE AGENCY INITIATIVES (DAI)—FINANCIAL SYSTEM	27,944	27,944
135	0605090S	DEFENSE RETIRED AND ANNUITANT PAY SYSTEM (DRAS)	6,609	6,609
136	0605210D8Z	DEFENSE-WIDE ELECTRONIC PROCUREMENT CAPABILI- TIES.	9,619	9,619
137	0605294D8Z	TRUSTED & ASSURED MICROELECTRONICS .....	175,032	175,032
138	0303140BL	INFORMATION SYSTEMS SECURITY PROGRAM .....	425	425
139	0303141K	GLOBAL COMBAT SUPPORT SYSTEM .....	1,578	1,578
140	0305304D8Z	DOD ENTERPRISE ENERGY INFORMATION MANAGEMENT (EEM).	4,373	4,373
141	0305310D8Z	CWMD SYSTEMS: SYSTEM DEVELOPMENT AND DEM- ONSTRATION.	12,854	12,854
		<b>SUBTOTAL SYSTEM DEVELOPMENT AND DEM- ONSTRATION.</b>	<b>841,588</b>	<b>841,588</b>
		<b>MANAGEMENT SUPPORT</b>		
142	0603829J	JOINT CAPABILITY EXPERIMENTATION .....	13,000	13,000
143	0604774D8Z	DEFENSE READINESS REPORTING SYSTEM (DRRS) .....	9,724	9,724
144	0604875D8Z	JOINT SYSTEMS ARCHITECTURE DEVELOPMENT .....	9,593	9,593
145	0604940D8Z	CENTRAL TEST AND EVALUATION INVESTMENT DEVELOP- MENT (CTEIP).	260,267	260,267
146	0604942D8Z	ASSESSMENTS AND EVALUATIONS .....	30,834	30,834
147	0605001E	MISSION SUPPORT .....	68,498	68,498
148	0605100D8Z	JOINT MISSION ENVIRONMENT TEST CAPABILITY (JMETC) Cyber range development .....	83,091	89,091 [6,000]
149	0605104D8Z	TECHNICAL STUDIES, SUPPORT AND ANALYSIS .....	18,079	13,079 [-5,000]
150	0605126J	JOINT INTEGRATED AIR AND MISSILE DEFENSE ORGANI- ZATION (JIAMDO).	70,038	70,038
152	0605142D8Z	SYSTEMS ENGINEERING .....	37,140	32,140 [-5,000]

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Line	Program Element	Item	FY 2020 Request	Senate Authorized
153	0605151D8Z	STUDIES AND ANALYSIS SUPPORT—OSD .....	4,759	4,759
154	0605161D8Z	NUCLEAR MATTERS-PHYSICAL SECURITY .....	8,307	8,307
155	0605170D8Z	SUPPORT TO NETWORKS AND INFORMATION INTEGRATION .....	9,441	9,441
156	0605200D8Z	GENERAL SUPPORT TO USD (INTELLIGENCE) .....	1,700	1,700
157	0605384BP	CHEMICAL AND BIOLOGICAL DEFENSE PROGRAM .....	110,363	110,363
166	0605790D8Z	SMALL BUSINESS INNOVATION RESEARCH (SBIR)/ SMALL BUSINESS TECHNOLOGY TRANSFER.	3,568	3,568
167	0605797D8Z	MAINTAINING TECHNOLOGY ADVANTAGE .....	19,936	19,936
168	0605798D8Z	DEFENSE TECHNOLOGY ANALYSIS .....	16,875	16,875
169	0605801KA	DEFENSE TECHNICAL INFORMATION CENTER (DTIC) .....	57,716	57,716
170	0605803SE	R&D IN SUPPORT OF DOD ENLISTMENT, TESTING AND EVALUATION.	34,448	34,448
171	0605804D8Z	DEVELOPMENT TEST AND EVALUATION .....	22,203	22,203
172	0605898E	MANAGEMENT HQ—R&D .....	13,208	13,208
173	0605998KA	MANAGEMENT HQ—DEFENSE TECHNICAL INFORMATION CENTER (DTIC).	3,027	3,027
174	0606100D8Z	BUDGET AND PROGRAM ASSESSMENTS .....	8,017	8,017
175	0606225D8Z	ODNA TECHNOLOGY AND RESOURCE ANALYSIS .....	3,194	3,194
176	0606589D8W	DEFENSE DIGITAL SERVICE (DDS) DEVELOPMENT SUPPORT.	1,000	6,000
		Increase .....		[5,000]
179	0203345D8Z	DEFENSE OPERATIONS SECURITY INITIATIVE (DOSI) .....	3,037	3,037
180	0204571J	JOINT STAFF ANALYTICAL SUPPORT .....	9,216	9,216
183	0303166J	SUPPORT TO INFORMATION OPERATIONS (IO) CAPABILITIES.	553	553
184	0303260D8Z	DEFENSE MILITARY DECEPTION PROGRAM OFFICE (DMDPO).	1,014	1,014
185	0305172K	COMBINED ADVANCED APPLICATIONS .....	58,667	58,667
187	0305245D8Z	INTELLIGENCE CAPABILITIES AND INNOVATION INVESTMENTS.	21,081	21,081
189	0307588D8Z	ALGORITHMIC WARFARE CROSS FUNCTIONAL TEAMS .....	221,235	221,235
191	0804768J	COCOM EXERCISE ENGAGEMENT AND TRAINING TRANSFORMATION (CE2T2)—NON-MHA.	40,073	40,073
192	0808709SE	DEFENSE EQUAL OPPORTUNITY MANAGEMENT INSTITUTE (DEOMI).	100	100
193	0901598C	MANAGEMENT HQ—MDA .....	27,065	27,065
194	0903235K	JOINT SERVICE PROVIDER (JSP) .....	3,090	3,090
999	9999999999	CLASSIFIED PROGRAMS .....	51,471	51,471
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>1,354,628</b>	<b>1,355,628</b>
		<b>OPERATIONAL SYSTEM DEVELOPMENT</b>		
195	0604130V	ENTERPRISE SECURITY SYSTEM (ESS) .....	7,945	7,945
196	0604532K	JOINT ARTIFICIAL INTELLIGENCE .....	208,834	208,834
197	0605127T	REGIONAL INTERNATIONAL OUTREACH (RIO) AND PARTNERSHIP FOR PEACE INFORMATION MANA.	1,947	1,947
198	0605147T	OVERSEAS HUMANITARIAN ASSISTANCE SHARED INFORMATION SYSTEM (OHAIS).	310	310
199	0607210D8Z	INDUSTRIAL BASE ANALYSIS AND SUSTAINMENT SUPPORT	10,051	48,551
		Advanced systems manufacturing .....		[5,000]
		Composite manufacturing technologies .....		[15,000]
		Printed circuit boards .....		[15,000]
		Rare earth element production .....		[3,500]
200	0607310D8Z	CWMD SYSTEMS: OPERATIONAL SYSTEMS DEVELOPMENT .....	12,734	12,734
201	0607327T	GLOBAL THEATER SECURITY COOPERATION MANAGEMENT INFORMATION SYSTEMS (G-TSCMIS).	14,800	14,800
202	0607384BP	CHEMICAL AND BIOLOGICAL DEFENSE (OPERATIONAL SYSTEMS DEVELOPMENT).	54,023	54,023
203	0208043J	PLANNING AND DECISION AID SYSTEM (PDAS) .....	4,537	4,537
204	0208045K	C4I INTEROPERABILITY .....	64,122	64,122
210	0302019K	DEFENSE INFO INFRASTRUCTURE ENGINEERING AND INTEGRATION.	15,798	15,798
211	0303126K	LONG-HAUL COMMUNICATIONS—DCS .....	11,166	11,166
212	0303131K	MINIMUM ESSENTIAL EMERGENCY COMMUNICATIONS NETWORK (MEECN).	17,383	17,383
214	0303136G	KEY MANAGEMENT INFRASTRUCTURE (KMI) .....	54,516	54,516
215	0303140D8Z	INFORMATION SYSTEMS SECURITY PROGRAM .....	67,631	67,631
216	0303140G	INFORMATION SYSTEMS SECURITY PROGRAM .....	289,080	287,198
		Sharkseer transfer .....		[-1,882]
217	0303140K	INFORMATION SYSTEMS SECURITY PROGRAM .....	42,796	44,678
		Sharkseer transfer .....		[1,882]
218	0303150K	GLOBAL COMMAND AND CONTROL SYSTEM .....	25,218	25,218
219	0303153K	DEFENSE SPECTRUM ORGANIZATION .....	21,698	21,698
220	0303228K	JOINT REGIONAL SECURITY STACKS (JRSS) .....	18,077	18,077
222	0303430K	FEDERAL INVESTIGATIVE SERVICES INFORMATION TECHNOLOGY.	44,001	44,001
228	0305128V	SECURITY AND INVESTIGATIVE ACTIVITIES .....	2,400	17,400
		Local criminal records access .....		[15,000]
232	0305186D8Z	POLICY R&D PROGRAMS .....	6,301	6,301

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Line	Program Element	Item	FY 2020 Request	Senate Authorized
233	0305199D8Z	NET CENTRICITY .....	21,384	21,384
235	0305208BB	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	6,359	6,359
238	0305208K	DISTRIBUTED COMMON GROUND/SURFACE SYSTEMS .....	2,981	2,981
241	0305327V	INSIDER THREAT .....	1,964	1,964
242	0305387D8Z	HOMELAND DEFENSE TECHNOLOGY TRANSFER PROGRAM .....	2,221	2,221
250	0708012K	LOGISTICS SUPPORT ACTIVITIES .....	1,361	1,361
251	0708012S	PACIFIC DISASTER CENTERS .....	1,770	1,770
252	0708047S	DEFENSE PROPERTY ACCOUNTABILITY SYSTEM .....	3,679	3,679
254	1105219BB	MQ-9 UAV .....	20,697	20,697
256	1160403BB	AVIATION SYSTEMS .....	245,795	254,595
		UPL Future vertical lift .....		[8,800]
257	1160405BB	INTELLIGENCE SYSTEMS DEVELOPMENT .....	15,484	15,484
258	1160408BB	OPERATIONAL ENHANCEMENTS .....	166,922	166,922
259	1160431BB	WARRIOR SYSTEMS .....	62,332	62,332
260	1160432BB	SPECIAL PROGRAMS .....	21,805	21,805
261	1160434BB	UNMANNED ISR .....	37,377	37,377
262	1160480BB	SOF TACTICAL VEHICLES .....	11,150	11,150
263	1160483BB	MARITIME SYSTEMS .....	72,626	72,626
264	1160489BB	GLOBAL VIDEO SURVEILLANCE ACTIVITIES .....	5,363	5,363
265	1160490BB	OPERATIONAL ENHANCEMENTS INTELLIGENCE .....	12,962	12,962
266	1203610K	TELEPORT PROGRAM .....	6,158	6,158
300	0604011D8Z	NEXT GENERATION INFORMATION COMMUNICATIONS TECHNOLOGY (5G). DOD Spectrum Sharing program .....	0	25,000
999	9999999999	CLASSIFIED PROGRAMS .....	4,116,640	4,542,640
		Transfer back to base funding .....		[426,000]
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT ...</b>	<b>5,832,398</b>	<b>6,345,698</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>24,346,953</b>	<b>25,060,253</b>
		<b>OPERATIONAL TEST &amp; EVAL, DEFENSE MANAGEMENT SUPPORT</b>		
1	06051180TE	OPERATIONAL TEST AND EVALUATION .....	93,291	93,291
2	06051310TE	LIVE FIRE TEST AND EVALUATION .....	69,172	69,172
3	06058140TE	OPERATIONAL TEST ACTIVITIES AND ANALYSES .....	58,737	58,737
		<b>SUBTOTAL MANAGEMENT SUPPORT .....</b>	<b>221,200</b>	<b>221,200</b>
		<b>TOTAL OPERATIONAL TEST &amp; EVAL, DEFENSE .....</b>	<b>221,200</b>	<b>221,200</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>102,647,545</b>	<b>104,023,113</b>

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**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION**  
**FOR OVERSEAS CONTINGENCY OPERATIONS**  
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Line	Program Element	Item	FY 2020 Request	Senate Authorized
		<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>		
74	0603327A	AIR AND MISSILE DEFENSE SYSTEMS ENGINEERING .....	500	500
79	0603747A	SOLDIER SUPPORT AND SURVIVABILITY .....	3,000	3,000
85	0603804A	LOGISTICS AND ENGINEER EQUIPMENT—ADV DEV .....	1,085	1,085
95	0604117A	MANEUVER—SHORT RANGE AIR DEFENSE (M-SHORAD) ...	6,000	6,000
97	0604119A	ARMY ADVANCED COMPONENT DEVELOPMENT & PROTOTYPING.	4,529	4,529
105	0604785A	INTEGRATED BASE DEFENSE (BUDGET ACTIVITY 4) .....	2,000	2,000
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>17,114</b>	<b>17,114</b>
		<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>		
151	0605035A	COMMON INFRARED COUNTERMEASURES (CIRCM) .....	11,770	11,770
159	0605051A	AIRCRAFT SURVIVABILITY DEVELOPMENT .....	77,420	77,420
163	0605203A	ARMY SYSTEM DEVELOPMENT & DEMONSTRATION .....	19,527	19,527
174	0304270A	ELECTRONIC WARFARE DEVELOPMENT .....	3,200	3,200
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>111,917</b>	<b>111,917</b>

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<b>Line</b>	<b>Program Element</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
<b>RDT&amp;E MANAGEMENT SUPPORT</b>				
200	0606003A	COUNTERINTEL AND HUMAN INTEL MODERNIZATION .....	1,875	1,875
		<b>SUBTOTAL RDT&amp;E MANAGEMENT SUPPORT .....</b>	<b>1,875</b>	<b>1,875</b>
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>				
238	0303028A	SECURITY AND INTELLIGENCE ACTIVITIES .....	22,904	22,904
246	0305204A	TACTICAL UNMANNED AERIAL VEHICLES .....	34,100	34,100
247	0305206A	AIRBORNE RECONNAISSANCE SYSTEMS .....	14,000	14,000
252	0307665A	BIOMETRICS ENABLED INTELLIGENCE .....	2,214	2,214
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>73,218</b>	<b>73,218</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, ARMY.</b>	<b>204,124</b>	<b>204,124</b>
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>				
28	0603207N	AIR/OCEAN TACTICAL APPLICATIONS .....	2,400	2,400
38	0603527N	RETRACT LARCH .....	22,000	22,000
57	0603654N	JOINT SERVICE EXPLOSIVE ORDNANCE DEVELOPMENT ...	14,178	14,178
69	0603795N	LAND ATTACK TECHNOLOGY .....	1,428	1,428
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>40,006</b>	<b>40,006</b>
<b>SYSTEM DEVELOPMENT &amp; DEMONSTRATION</b>				
143	0604755N	SHIP SELF DEFENSE (DETECT & CONTROL) .....	1,122	1,122
		<b>SUBTOTAL SYSTEM DEVELOPMENT &amp; DEMONSTRATION.</b>	<b>1,122</b>	<b>1,122</b>
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>				
228	0206313M	MARINE CORPS COMMUNICATIONS SYSTEMS .....	15,000	15,000
999	9999999999	CLASSIFIED PROGRAMS .....	108,282	108,282
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>123,282</b>	<b>123,282</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, NAVY.</b>	<b>164,410</b>	<b>164,410</b>
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES</b>				
48	0604858F	TECH TRANSITION PROGRAM .....	26,450	26,450
72	1206857F	SPACE RAPID CAPABILITIES OFFICE .....	17,885	17,885
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT &amp; PROTOTYPES.</b>	<b>44,335</b>	<b>44,335</b>
<b>OPERATIONAL SYSTEMS DEVELOPMENT</b>				
177	0205671F	JOINT COUNTER RCIED ELECTRONIC WARFARE .....	4,000	4,000
217	0208288F	INTEL DATA APPLICATIONS .....	1,200	1,200
999	9999999999	CLASSIFIED PROGRAMS .....	400,713	78,713
		Transfer back to base funding .....		[-322,000]
		<b>SUBTOTAL OPERATIONAL SYSTEMS DEVELOPMENT.</b>	<b>405,913</b>	<b>83,913</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, AF.</b>	<b>450,248</b>	<b>128,248</b>
<b>RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW APPLIED RESEARCH</b>				
10	0602134BR	COUNTER IMPROVISED-THREAT ADVANCED STUDIES .....	1,677	1,677
		<b>SUBTOTAL APPLIED RESEARCH .....</b>	<b>1,677</b>	<b>1,677</b>
<b>ADVANCED TECHNOLOGY DEVELOPMENT</b>				
25	0603122D8Z	COMBATING TERRORISM TECHNOLOGY SUPPORT .....	25,230	25,230
27	0603134BR	COUNTER IMPROVISED-THREAT SIMULATION .....	49,528	49,528
		<b>SUBTOTAL ADVANCED TECHNOLOGY DEVELOPMENT.</b>	<b>74,758</b>	<b>74,758</b>
<b>ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES</b>				
94	0604134BR	COUNTER IMPROVISED-THREAT DEMONSTRATION, PROTOTYPE DEVELOPMENT, AND TESTING.	113,590	113,590
		<b>SUBTOTAL ADVANCED COMPONENT DEVELOPMENT AND PROTOTYPES.</b>	<b>113,590</b>	<b>113,590</b>
<b>OPERATIONAL SYSTEM DEVELOPMENT</b>				

**SEC. 4202. RESEARCH, DEVELOPMENT, TEST, AND EVALUATION  
FOR OVERSEAS CONTINGENCY OPERATIONS  
(In Thousands of Dollars)**

Line	Program Element	Item	FY 2020 Request	Senate Authorized
258	1160408BB	OPERATIONAL ENHANCEMENTS .....	726	726
259	1160431BB	WARRIOR SYSTEMS .....	6,000	6,000
261	1160434BB	UNMANNED ISR .....	5,000	5,000
999	9999999999	CLASSIFIED PROGRAMS .....	626,199	200,199
		Transfer back to base funding .....		[-426,000]
		<b>SUBTOTAL OPERATIONAL SYSTEM DEVELOPMENT</b>	<b>637,925</b>	<b>211,925</b>
		<b>TOTAL RESEARCH, DEVELOPMENT, TEST &amp; EVAL, DW.</b>	<b>827,950</b>	<b>401,950</b>
		<b>TOTAL RDT&amp;E .....</b>	<b>1,646,732</b>	<b>898,732</b>

1 **TITLE XLIII—OPERATION AND**  
2 **MAINTENANCE**  
3 **SEC. 4301. OPERATION AND MAINTENANCE.**

**SEC. 4301. OPERATION AND MAINTENANCE  
(In Thousands of Dollars)**

Line	Item	FY 2020 Request	Senate Authorized
	<b>OPERATION &amp; MAINTENANCE, ARMY OPERATING FORCES</b>		
010	MANEUVER UNITS .....	0	1,735,922
	Transfer back to base funding .....		[1,735,922]
020	MODULAR SUPPORT BRIGADES .....	0	127,815
	Transfer back to base funding .....		[127,815]
030	ECHELONS ABOVE BRIGADE .....	0	716,356
	Transfer back to base funding .....		[716,356]
040	THEATER LEVEL ASSETS .....	0	890,891
	Transfer back to base funding .....		[890,891]
050	LAND FORCES OPERATIONS SUPPORT .....	0	1,232,477
	Transfer back to base funding .....		[1,232,477]
060	AVIATION ASSETS .....	0	1,355,606
	Transfer back to base funding .....		[1,355,606]
070	FORCE READINESS OPERATIONS SUPPORT .....	408,031	3,882,315
	Transfer back to base funding .....		[3,474,284]
080	LAND FORCES SYSTEMS READINESS .....	417,069	446,269
	UPL MDTF INDOPACOM .....		[29,200]
090	LAND FORCES DEPOT MAINTENANCE .....	0	1,633,327
	Transfer back to base funding .....		[1,633,327]
100	BASE OPERATIONS SUPPORT .....	0	7,951,473
	Historical underexecution .....		[-46,000]
	Revised MHPI cost share .....		[-50,460]
	Transfer back to base funding .....		[8,047,933]
110	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	4,326,840	4,326,840
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	405,612	405,612
160	US AFRICA COMMAND .....	251,511	251,511
170	US EUROPEAN COMMAND .....	146,358	154,158
	JIOCEUR JAC Molesworth .....		[7,800]
180	US SOUTHERN COMMAND .....	191,840	191,840
190	US FORCES KOREA .....	57,603	57,603
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS ..	423,156	423,156
210	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	551,185	551,185
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,179,205</b>	<b>26,334,356</b>
	<b>MOBILIZATION</b>		
220	STRATEGIC MOBILITY .....	380,577	380,577
230	ARMY PREPOSITIONED STOCKS .....	362,942	362,942
240	INDUSTRIAL PREPAREDNESS .....	4,637	4,637
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>748,156</b>	<b>748,156</b>
	<b>TRAINING AND RECRUITING</b>		
250	OFFICER ACQUISITION .....	157,175	157,175

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
260	RECRUIT TRAINING .....	55,739	55,739
270	ONE STATION UNIT TRAINING .....	62,300	62,300
280	SENIOR RESERVE OFFICERS TRAINING CORPS .....	538,357	538,357
290	SPECIALIZED SKILL TRAINING .....	969,813	969,813
300	FLIGHT TRAINING .....	1,234,049	1,234,049
310	PROFESSIONAL DEVELOPMENT EDUCATION .....	218,338	218,338
320	TRAINING SUPPORT .....	554,659	554,659
330	RECRUITING AND ADVERTISING .....	716,056	636,056
	Unjustified growth for advertising .....		[-70,000]
	Unjustified growth for recruiting .....		[-10,000]
340	EXAMINING .....	185,034	185,034
350	OFF-DUTY AND VOLUNTARY EDUCATION .....	214,275	214,275
360	CIVILIAN EDUCATION AND TRAINING .....	147,647	147,647
370	JUNIOR RESERVE OFFICER TRAINING CORPS .....	173,812	173,812
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>5,227,254</b>	<b>5,147,254</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>		
390	SERVICEWIDE TRANSPORTATION .....	559,229	559,229
400	CENTRAL SUPPLY ACTIVITIES .....	929,944	929,944
410	LOGISTIC SUPPORT ACTIVITIES .....	629,981	629,981
420	AMMUNITION MANAGEMENT .....	458,771	458,771
430	ADMINISTRATION .....	428,768	428,768
440	SERVICEWIDE COMMUNICATIONS .....	1,512,736	1,512,736
450	MANPOWER MANAGEMENT .....	272,738	272,738
460	OTHER PERSONNEL SUPPORT .....	391,869	363,869
	Historical underexecution .....		[-28,000]
470	OTHER SERVICE SUPPORT .....	1,901,165	1,901,165
480	ARMY CLAIMS ACTIVITIES .....	198,765	183,765
	Historical underexecution .....		[-15,000]
490	REAL ESTATE MANAGEMENT .....	226,248	226,248
500	FINANCIAL MANAGEMENT AND AUDIT READINESS .....	315,489	315,489
510	INTERNATIONAL MILITARY HEADQUARTERS .....	427,254	427,254
520	MISC. SUPPORT OF OTHER NATIONS .....	43,248	43,248
9999	CLASSIFIED PROGRAMS .....	1,347,053	1,347,053
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>9,643,258</b>	<b>9,600,258</b>
	<b>UNDISTRIBUTED</b>		
999	UNDISTRIBUTED .....	0	103,800
	Cyber operations-peculiar capability development projects .....		[3,000]
	Single family home pilot program .....		[1,000]
	THAAD sustainment program transfer from MDA .....		[99,800]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>103,800</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>22,797,873</b>	<b>41,933,824</b>
	<b>OPERATION &amp; MAINTENANCE, ARMY RES OPERATING FORCES</b>		
010	MODULAR SUPPORT BRIGADES .....	0	11,927
	Transfer back to base funding .....		[11,927]
020	ECHELONS ABOVE BRIGADE .....	0	533,015
	Transfer back to base funding .....		[533,015]
030	THEATER LEVEL ASSETS .....	0	119,517
	Transfer back to base funding .....		[119,517]
040	LAND FORCES OPERATIONS SUPPORT .....	0	550,468
	Transfer back to base funding .....		[550,468]
050	AVIATION ASSETS .....	0	86,670
	Transfer back to base funding .....		[86,670]
060	FORCE READINESS OPERATIONS SUPPORT .....	390,061	390,061
070	LAND FORCES SYSTEMS READINESS .....	101,890	101,890
080	LAND FORCES DEPOT MAINTENANCE .....	0	48,503
	Transfer back to base funding .....		[48,503]
090	BASE OPERATIONS SUPPORT .....	0	598,907
	Transfer back to base funding .....		[598,907]
100	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	444,376	444,376
110	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	22,095	22,095
120	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS ..	3,288	3,288
130	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	7,655	7,655
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>969,365</b>	<b>2,918,372</b>

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
140	SERVICEWIDE TRANSPORTATION .....	14,533	14,533
150	ADMINISTRATION .....	17,231	17,231
160	SERVICEWIDE COMMUNICATIONS .....	14,304	14,304
170	MANPOWER MANAGEMENT .....	6,129	6,129
180	RECRUITING AND ADVERTISING .....	58,541	58,541
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>110,738</b>	<b>110,738</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</b>	<b>1,080,103</b>	<b>3,029,110</b>
<b>OPERATION &amp; MAINTENANCE, ARNG</b>			
<b>OPERATING FORCES</b>			
010	MANEUVER UNITS .....	0	805,671
	Transfer back to base funding .....		[805,671]
020	MODULAR SUPPORT BRIGADES .....	0	195,334
	Transfer back to base funding .....		[195,334]
030	ECHELONS ABOVE BRIGADE .....	0	771,048
	Transfer back to base funding .....		[771,048]
040	THEATER LEVEL ASSETS .....	0	94,726
	Transfer back to base funding .....		[94,726]
050	LAND FORCES OPERATIONS SUPPORT .....	0	33,696
	Transfer back to base funding .....		[33,696]
060	AVIATION ASSETS .....	0	981,819
	Transfer back to base funding .....		[981,819]
070	FORCE READINESS OPERATIONS SUPPORT .....	743,206	743,206
080	LAND FORCES SYSTEMS READINESS .....	50,963	50,963
090	LAND FORCES DEPOT MAINTENANCE .....	0	258,278
	Transfer back to base funding .....		[258,278]
100	BASE OPERATIONS SUPPORT .....	0	1,153,076
	Transfer back to base funding .....		[1,153,076]
110	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	1,113,475	1,120,675
	Damage assessment .....		[7,200]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	1,001,042	1,001,042
130	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS ..	8,448	8,448
140	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	7,768	7,768
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>2,924,902</b>	<b>7,225,750</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
150	SERVICEWIDE TRANSPORTATION .....	9,890	9,890
160	ADMINISTRATION .....	71,070	71,070
170	SERVICEWIDE COMMUNICATIONS .....	68,213	68,213
180	MANPOWER MANAGEMENT .....	8,628	8,628
190	OTHER PERSONNEL SUPPORT .....	250,376	247,376
	Unjustified growth for marketing .....		[-1,500]
	Unjustified growth for recruiting .....		[-1,500]
200	REAL ESTATE MANAGEMENT .....	2,676	2,676
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>410,853</b>	<b>407,853</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>3,335,755</b>	<b>7,633,603</b>
<b>OPERATION &amp; MAINTENANCE, NAVY</b>			
<b>OPERATING FORCES</b>			
010	MISSION AND OTHER FLIGHT OPERATIONS .....	0	2,877,800
	Transfer back to base funding .....		[2,877,800]
020	FLEET AIR TRAINING .....	2,284,828	2,284,828
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES ..	0	59,299
	Transfer back to base funding .....		[59,299]
040	AIR OPERATIONS AND SAFETY SUPPORT .....	155,896	155,896
050	AIR SYSTEMS SUPPORT .....	719,107	719,107
060	AIRCRAFT DEPOT MAINTENANCE .....	0	1,154,181
	Transfer back to base funding .....		[1,154,181]
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	60,402	60,402
080	AVIATION LOGISTICS .....	1,241,421	1,241,421
090	MISSION AND OTHER SHIP OPERATIONS .....	0	4,097,262
	Transfer back to base funding .....		[4,097,262]
100	SHIP OPERATIONS SUPPORT & TRAINING .....	1,031,792	1,031,792
110	SHIP DEPOT MAINTENANCE .....	0	8,875,298
	Transfer back to base funding .....		[8,061,298]
	UPL SSN and Ship maintenance increase .....		[814,000]

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
120	SHIP DEPOT OPERATIONS SUPPORT .....	0	2,073,641
	Transfer back to base funding .....		[2,073,641]
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	1,378,856	1,378,856
140	SPACE SYSTEMS AND SURVEILLANCE .....	276,245	276,245
150	WARFARE TACTICS .....	675,209	675,209
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	389,516	389,516
170	COMBAT SUPPORT FORCES .....	1,536,310	1,536,310
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT .....	161,579	161,579
190	COMBATANT COMMANDERS CORE OPERATIONS .....	59,521	59,521
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	93,978	98,978
	Posture site assessments INDOPACOM .....		[5,000]
210	MILITARY INFORMATION SUPPORT OPERATIONS .....	8,641	8,641
220	CYBERSPACE ACTIVITIES .....	496,385	496,385
230	FLEET BALLISTIC MISSILE .....	1,423,339	1,423,339
240	WEAPONS MAINTENANCE .....	924,069	924,069
250	OTHER WEAPON SYSTEMS SUPPORT .....	540,210	540,210
260	ENTERPRISE INFORMATION .....	1,131,627	1,131,627
270	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	3,029,634	3,029,634
280	BASE OPERATING SUPPORT .....	0	4,433,783
	Revised MHPI cost share .....		[18,840]
	Transfer back to base funding .....		[4,414,943]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>17,618,565</b>	<b>41,194,829</b>
<b>MOBILIZATION</b>			
290	SHIP PREPOSITIONING AND SURGE .....	942,902	942,902
300	READY RESERVE FORCE .....	352,044	352,044
310	SHIP ACTIVATIONS/INACTIVATIONS .....	427,555	427,555
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	137,597	137,597
330	COAST GUARD SUPPORT .....	24,604	24,604
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,884,702</b>	<b>1,884,702</b>
<b>TRAINING AND RECRUITING</b>			
340	OFFICER ACQUISITION .....	150,765	150,765
350	RECRUIT TRAINING .....	11,584	11,584
360	RESERVE OFFICERS TRAINING CORPS .....	159,133	159,133
370	SPECIALIZED SKILL TRAINING .....	911,316	911,316
380	PROFESSIONAL DEVELOPMENT EDUCATION .....	185,211	185,211
390	TRAINING SUPPORT .....	267,224	267,224
400	RECRUITING AND ADVERTISING .....	209,252	189,252
	Unjustified growth .....		[-20,000]
410	OFF-DUTY AND VOLUNTARY EDUCATION .....	88,902	88,902
420	CIVILIAN EDUCATION AND TRAINING .....	67,492	67,492
430	JUNIOR ROTC .....	55,164	55,164
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>2,106,043</b>	<b>2,086,043</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
440	ADMINISTRATION .....	1,143,358	1,092,358
	Decrease .....		[-1,000]
	Unjustified audit growth .....		[-50,000]
450	CIVILIAN MANPOWER AND PERSONNEL MANAGEMENT .....	178,342	178,342
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	418,413	418,413
490	SERVICEWIDE TRANSPORTATION .....	157,465	157,465
510	PLANNING, ENGINEERING, AND PROGRAM SUPPORT .....	485,397	490,397
	REPO .....		[5,000]
520	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	654,137	654,137
530	INVESTIGATIVE AND SECURITY SERVICES .....	718,061	718,061
9999	CLASSIFIED PROGRAMS .....	588,235	591,535
	Transfer back to base funding .....		[3,300]
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>4,343,408</b>	<b>4,300,708</b>
<b>UNDISTRIBUTED</b>			
999	UNDISTRIBUTED .....	0	3,000
	Cyber operations-peculiar capability development projects .....		[3,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>3,000</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY .....</b>	<b>25,952,718</b>	<b>49,469,282</b>
<b>OPERATION &amp; MAINTENANCE, MARINE CORPS</b>			

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
<b>OPERATING FORCES</b>			
010	OPERATIONAL FORCES .....	0	968,224
	Transfer back to base funding .....		[968,224]
020	FIELD LOGISTICS .....	1,278,533	1,278,533
030	DEPOT MAINTENANCE .....	0	232,991
	Transfer back to base funding .....		[232,991]
040	MARITIME PREPOSITIONING .....	0	100,396
	Transfer back to base funding .....		[100,396]
050	CYBERSPACE ACTIVITIES .....	203,580	203,580
060	SUSTAINMENT, RESTORATION & MODERNIZATION .....	1,115,742	1,559,034
	Transfer back to base funding .....		[443,292]
070	BASE OPERATING SUPPORT .....	0	2,253,776
	Transfer back to base funding .....		[2,253,776]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>2,597,855</b>	<b>6,596,534</b>
<b>TRAINING AND RECRUITING</b>			
080	RECRUIT TRAINING .....	21,240	21,240
090	OFFICER ACQUISITION .....	1,168	1,168
100	SPECIALIZED SKILL TRAINING .....	106,601	106,601
110	PROFESSIONAL DEVELOPMENT EDUCATION .....	49,095	49,095
120	TRAINING SUPPORT .....	407,315	407,315
130	RECRUITING AND ADVERTISING .....	210,475	210,475
140	OFF-DUTY AND VOLUNTARY EDUCATION .....	42,810	42,810
150	JUNIOR ROTC .....	25,183	25,183
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>863,887</b>	<b>863,887</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
160	SERVICEWIDE TRANSPORTATION .....	29,894	29,894
170	ADMINISTRATION .....	384,352	384,352
9999	CLASSIFIED PROGRAMS .....	52,057	52,057
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>466,303</b>	<b>466,303</b>
<b>UNDISTRIBUTED</b>			
999	UNDISTRIBUTED .....	0	3,000
	Cyber operations-peculiar capability development .....		[3,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>3,000</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS .....</b>	<b>3,928,045</b>	<b>7,929,724</b>
<b>OPERATION &amp; MAINTENANCE, NAVY RES</b>			
<b>OPERATING FORCES</b>			
010	MISSION AND OTHER FLIGHT OPERATIONS .....	0	654,220
	Transfer back to base funding .....		[654,220]
020	INTERMEDIATE MAINTENANCE .....	8,767	8,767
030	AIRCRAFT DEPOT MAINTENANCE .....	0	108,236
	Transfer back to base funding .....		[108,236]
040	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	463	463
050	AVIATION LOGISTICS .....	26,014	26,014
060	SHIP OPERATIONS SUPPORT & TRAINING .....	583	583
070	COMBAT COMMUNICATIONS .....	17,883	17,883
080	COMBAT SUPPORT FORCES .....	128,079	128,079
090	CYBERSPACE ACTIVITIES .....	356	356
100	ENTERPRISE INFORMATION .....	26,133	26,133
110	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	35,397	35,397
120	BASE OPERATING SUPPORT .....	0	101,376
	Transfer back to base funding .....		[101,376]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>243,675</b>	<b>1,107,507</b>
<b>ADMIN &amp; SRVWD ACTIVITIES</b>			
130	ADMINISTRATION .....	1,888	1,888
140	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	12,778	12,778
150	ACQUISITION AND PROGRAM MANAGEMENT .....	2,943	2,943
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>17,609</b>	<b>17,609</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES .....</b>	<b>261,284</b>	<b>1,125,116</b>
<b>OPERATION &amp; MAINTENANCE, MC RESERVE</b>			
<b>OPERATING FORCES</b>			
010	OPERATING FORCES .....	0	106,484

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
	Transfer back to base funding .....		[106,484]
020	DEPOT MAINTENANCE .....	0	18,429
	Transfer back to base funding .....		[18,429]
030	SUSTAINMENT, RESTORATION AND MODERNIZATION ....	47,516	47,516
040	BASE OPERATING SUPPORT .....	0	106,073
	Transfer back to base funding .....		[106,073]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>47,516</b>	<b>278,502</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
050	ADMINISTRATION .....	13,574	13,574
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>13,574</b>	<b>13,574</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RE-SERVE .....</b>	<b>61,090</b>	<b>292,076</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</b>		
010	PRIMARY COMBAT FORCES .....	729,127	729,127
020	COMBAT ENHANCEMENT FORCES .....	1,318,770	1,318,770
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) ....	1,486,790	1,486,790
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	0	3,334,792
	Transfer back to base funding .....		[3,334,792]
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	3,675,824	4,142,435
	Transfer back to base funding .....		[466,611]
060	CYBERSPACE SUSTAINMENT .....	0	228,811
	Transfer back to base funding .....		[228,811]
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	0	8,329,364
	Transfer back to base funding .....		[8,329,364]
080	FLYING HOUR PROGRAM .....	0	4,048,773
	Transfer back to base funding .....		[4,048,773]
090	BASE SUPPORT .....	0	7,191,582
	Revised MHPI cost share .....		[-32,400]
	Transfer back to base funding .....		[7,223,982]
100	GLOBAL C3I AND EARLY WARNING .....	964,553	964,553
110	OTHER COMBAT OPS SPT PROGRAMS .....	1,032,307	1,032,307
120	CYBERSPACE ACTIVITIES .....	670,076	670,076
140	LAUNCH FACILITIES .....	179,980	179,980
150	SPACE CONTROL SYSTEMS .....	467,990	467,990
160	US NORTHCOM/NORAD .....	184,655	184,655
170	US STRATCOM .....	478,357	478,357
180	US CYBERCOM .....	323,121	347,921
	Accelerate development Cyber National Mission Force capabilities .....		[1,500]
	Cyber National Mission Force Mobile & Modular Hunt Forward Kit .....		[5,300]
	ETERNALDARKNESS .....		[18,000]
190	US CENTCOM .....	160,989	160,989
200	US SOCOM .....	6,225	6,225
210	US TRANSCOM .....	544	544
220	CENTCOM CYBERSPACE SUSTAINMENT .....	2,073	2,073
230	USSPACECOM .....	70,588	70,588
9999	CLASSIFIED PROGRAMS .....	1,322,944	1,322,944
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>13,074,913</b>	<b>36,699,646</b>
	<b>MOBILIZATION</b>		
240	AIRLIFT OPERATIONS .....	1,158,142	1,158,142
250	MOBILIZATION PREPAREDNESS .....	138,672	138,672
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,296,814</b>	<b>1,296,814</b>
	<b>TRAINING AND RECRUITING</b>		
260	OFFICER ACQUISITION .....	130,835	130,835
270	RECRUIT TRAINING .....	26,021	26,021
280	RESERVE OFFICERS TRAINING CORPS (ROTC) .....	121,391	121,391
290	SPECIALIZED SKILL TRAINING .....	454,539	454,539
300	FLIGHT TRAINING .....	600,565	600,565
310	PROFESSIONAL DEVELOPMENT EDUCATION .....	282,788	282,788
320	TRAINING SUPPORT .....	123,988	123,988
330	RECRUITING AND ADVERTISING .....	167,731	161,731

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
	Unjustified growth .....		[-6,000]
340	EXAMINING .....	4,576	4,576
350	OFF-DUTY AND VOLUNTARY EDUCATION .....	211,911	211,911
360	CIVILIAN EDUCATION AND TRAINING .....	219,021	219,021
370	JUNIOR ROTC .....	62,092	62,092
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>2,405,458</b>	<b>2,399,458</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
380	LOGISTICS OPERATIONS .....	664,926	664,926
390	TECHNICAL SUPPORT ACTIVITIES .....	101,483	101,483
400	ADMINISTRATION .....	892,480	892,480
410	SERVICEWIDE COMMUNICATIONS .....	152,532	152,532
420	OTHER SERVICEWIDE ACTIVITIES .....	1,254,089	1,254,089
430	CIVIL AIR PATROL .....	30,070	30,070
460	INTERNATIONAL SUPPORT .....	136,110	136,110
9999	CLASSIFIED PROGRAMS .....	1,269,624	1,269,624
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>4,501,314</b>	<b>4,501,314</b>
	<b>OPERATION &amp; MAINTENANCE, SPACE FORCE OPERATING FORCES</b>		
010	BASE SUPPORT .....	72,436	72,436
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>72,436</b>	<b>72,436</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, SPACE FORCE .....</b>	<b>72,436</b>	<b>72,436</b>
	<b>UNDISTRIBUTED</b>		
999	UNDISTRIBUTED .....	0	3,000
	Cyber operations-peculiar capability development projects .....		[3,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>3,000</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</b>	<b>21,278,499</b>	<b>44,900,232</b>
	<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>		
010	PRIMARY COMBAT FORCES .....	1,781,413	1,781,413
020	MISSION SUPPORT OPERATIONS .....	209,650	209,650
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	0	494,235
	Transfer back to base funding .....		[494,235]
040	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	128,746	128,746
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUP- PORT .....	0	256,512
	Transfer back to base funding .....		[256,512]
060	BASE SUPPORT .....	0	414,626
	Transfer back to base funding .....		[414,626]
070	CYBERSPACE ACTIVITIES .....	1,673	1,673
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>2,121,482</b>	<b>3,286,855</b>
	<b>ADMINISTRATION AND SERVICEWIDE ACTIVI- TIES</b>		
080	ADMINISTRATION .....	69,436	69,436
090	RECRUITING AND ADVERTISING .....	22,124	22,124
100	MILITARY MANPOWER AND PERS MGMT (ARPC) .....	10,946	10,946
110	OTHER PERS SUPPORT (DISABILITY COMP) .....	7,009	7,009
120	AUDIOVISUAL .....	448	448
	<b>SUBTOTAL ADMINISTRATION AND SERVICEWIDE ACTIVITIES .....</b>	<b>109,963</b>	<b>109,963</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RE- SERVE .....</b>	<b>2,231,445</b>	<b>3,396,818</b>
	<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>		
010	AIRCRAFT OPERATIONS .....	2,497,967	2,497,967
020	MISSION SUPPORT OPERATIONS .....	600,377	600,377
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	0	879,467
	Transfer back to base funding .....		[879,467]
040	FACILITIES SUSTAINMENT, RESTORATION & MOD- ERNIZATION .....	400,734	400,734

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	0	1,299,089
	Transfer back to base funding .....		[1,299,089]
060	BASE SUPPORT .....	0	911,775
	Transfer back to base funding .....		[911,775]
070	CYBERSPACE SUSTAINMENT .....	0	24,742
	Transfer back to base funding .....		[24,742]
080	CYBERSPACE ACTIVITIES .....	25,507	25,507
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>3,524,585</b>	<b>6,639,658</b>
<b>ADMINISTRATION AND SERVICE-WIDE ACTIVITIES</b>			
090	ADMINISTRATION .....	47,215	47,215
100	RECRUITING AND ADVERTISING .....	40,356	40,356
	<b>SUBTOTAL ADMINISTRATION AND SERVICE-WIDE ACTIVITIES .....</b>	<b>87,571</b>	<b>87,571</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG .....</b>	<b>3,612,156</b>	<b>6,727,229</b>
<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>			
010	JOINT CHIEFS OF STAFF .....	409,542	409,542
020	JOINT CHIEFS OF STAFF—CE2T2 .....	579,179	579,179
030	JOINT CHIEFS OF STAFF—CYBER .....	24,598	24,598
040	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES .....	1,075,762	1,075,762
050	SPECIAL OPERATIONS COMMAND CYBERSPACE ACTIVITIES .....	14,409	14,409
060	SPECIAL OPERATIONS COMMAND INTELLIGENCE .....	501,747	501,747
070	SPECIAL OPERATIONS COMMAND MAINTENANCE .....	559,300	559,300
080	SPECIAL OPERATIONS COMMAND MANAGEMENT/OPERATIONAL HEADQUARTERS .....	177,928	177,928
090	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT .....	925,262	925,262
100	SPECIAL OPERATIONS COMMAND THEATER FORCES .....	2,764,738	2,764,738
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>7,032,465</b>	<b>7,032,465</b>
<b>TRAINING AND RECRUITING</b>			
120	DEFENSE ACQUISITION UNIVERSITY .....	180,250	180,250
130	JOINT CHIEFS OF STAFF .....	100,610	100,610
140	PROFESSIONAL DEVELOPMENT EDUCATION .....	33,967	33,967
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>314,827</b>	<b>314,827</b>
<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>			
160	CIVIL MILITARY PROGRAMS .....	165,707	195,007
	IRT Increase .....		[14,300]
	Starbase .....		[15,000]
180	DEFENSE CONTRACT AUDIT AGENCY .....	627,467	627,467
190	DEFENSE CONTRACT AUDIT AGENCY—CYBER .....	3,362	3,362
200	DEFENSE CONTRACT MANAGEMENT AGENCY .....	1,438,068	1,438,068
210	DEFENSE CONTRACT MANAGEMENT AGENCY—CYBER ..	24,391	24,391
220	DEFENSE HUMAN RESOURCES ACTIVITY .....	892,438	892,438
230	DEFENSE INFORMATION SYSTEMS AGENCY .....	2,012,885	2,007,885
	MilCloud .....		[-5,000]
240	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER .....	601,223	636,360
	Sharkseer transfer .....		[35,137]
270	DEFENSE LEGAL SERVICES AGENCY .....	34,632	34,632
280	DEFENSE LOGISTICS AGENCY .....	415,699	415,699
290	DEFENSE MEDIA ACTIVITY .....	202,792	202,792
300	DEFENSE PERSONNEL ACCOUNTING AGENCY .....	144,881	144,881
310	DEFENSE SECURITY COOPERATION AGENCY .....	696,884	696,884
	Assessment, monitoring, and evaluation .....		[11,000]
	Security cooperation account .....		[-11,000]
320	DEFENSE SECURITY SERVICE .....	889,664	899,664
	Consolidated Adjudication Facility .....		[10,000]
340	DEFENSE SECURITY SERVICE—CYBER .....	9,220	9,220
360	DEFENSE TECHNICAL INFORMATION CENTER .....	3,000	3,000
370	DEFENSE TECHNOLOGY SECURITY ADMINISTRATION ...	35,626	35,626
380	DEFENSE THREAT REDUCTION AGENCY .....	568,133	568,133
400	DEFENSE THREAT REDUCTION AGENCY—CYBER .....	13,339	13,339

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
410	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	2,932,226	2,982,226
	Impact aid for children with severe disabilities .....		[10,000]
	Impact aid for schools with military dependent students .....		[40,000]
420	MISSILE DEFENSE AGENCY .....	522,529	422,729
	THAAD program transfer to Army .....		[-99,800]
450	OFFICE OF ECONOMIC ADJUSTMENT .....	59,513	59,513
460	OFFICE OF THE SECRETARY OF DEFENSE .....	1,604,738	1,678,738
	Bien Hoa dioxin cleanup .....		[15,000]
	CDC study .....		[10,000]
	Emerging contaminants .....		[1,000]
	Industrial policy implementation of EO13806 .....		[15,000]
	Interstate compacts for licensure and credentialing .....		[4,000]
	National Commission on Military Aviation Safety .....		[3,000]
	National Commission on Military, National, and Public Service .....		[1,000]
	Readiness and Environmental Protection Integration .....		[25,000]
470	OFFICE OF THE SECRETARY OF DEFENSE—CYBER .....	48,783	48,783
480	SPACE DEVELOPMENT AGENCY .....	44,750	44,750
500	WASHINGTON HEADQUARTERS SERVICES .....	324,001	329,001
	Defense Digital Service Hires .....		[5,000]
9999	CLASSIFIED PROGRAMS .....	15,736,098	15,781,461
	Sharkseer transfer .....		[-35,137]
	Transfer back to base funding .....		[80,500]
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>30,052,049</b>	<b>30,196,049</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE .....</b>	<b>37,399,341</b>	<b>37,543,341</b>
	<b>MISCELLANEOUS APPROPRIATIONS</b>		
	<b>US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE</b>		
010	US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE .....	14,771	14,771
	<b>SUBTOTAL US COURT OF APPEALS FOR THE ARMED FORCES, DEFENSE .....</b>	<b>14,771</b>	<b>14,771</b>
	<b>OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID</b>		
010	OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID ... ..	108,600	108,600
	<b>SUBTOTAL OVERSEAS HUMANITARIAN, DISASTER AND CIVIC AID .....</b>	<b>108,600</b>	<b>108,600</b>
	<b>COOPERATIVE THREAT REDUCTION</b>		
010	COOPERATIVE THREAT REDUCTION .....	338,700	338,700
	<b>SUBTOTAL COOPERATIVE THREAT REDUCTION ... ..</b>	<b>338,700</b>	<b>338,700</b>
	<b>ACQ WORKFORCE DEV FD</b>		
010	ACQ WORKFORCE DEV FD .....	400,000	400,000
	<b>SUBTOTAL ACQ WORKFORCE DEV FD .....</b>	<b>400,000</b>	<b>400,000</b>
	<b>ENVIRONMENTAL RESTORATION, ARMY</b>		
050	ENVIRONMENTAL RESTORATION, ARMY .....	207,518	207,518
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, ARMY .....</b>	<b>207,518</b>	<b>207,518</b>
	<b>ENVIRONMENTAL RESTORATION, NAVY</b>		
060	ENVIRONMENTAL RESTORATION, NAVY .....	335,932	335,932
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, NAVY .....</b>	<b>335,932</b>	<b>335,932</b>
	<b>ENVIRONMENTAL RESTORATION, AIR FORCE</b>		
070	ENVIRONMENTAL RESTORATION, AIR FORCE .....	302,744	302,744
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, AIR FORCE .....</b>	<b>302,744</b>	<b>302,744</b>
	<b>ENVIRONMENTAL RESTORATION, DEFENSE</b>		
080	ENVIRONMENTAL RESTORATION, DEFENSE .....	9,105	9,105
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION, DEFENSE .....</b>	<b>9,105</b>	<b>9,105</b>

**SEC. 4301. OPERATION AND MAINTENANCE**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
	<b>ENVIRONMENTAL RESTORATION FORMERLY USED SITES</b>		
090	ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....	216,499	216,499
	<b>SUBTOTAL ENVIRONMENTAL RESTORATION FORMERLY USED SITES .....</b>	<b>216,499</b>	<b>216,499</b>
	<b>TOTAL MISCELLANEOUS APPROPRIATIONS .....</b>	<b>1,933,869</b>	<b>1,933,869</b>
	<b>UNDISTRIBUTED</b>		
	<b>UNDISTRIBUTED</b>		
999	UNDISTRIBUTED .....	0	-590,000
	Foreign currency fluctuation fund reduction .....		[-607,000]
	JROTC .....		[25,000]
	Printing inefficiencies .....		[-8,000]
	<b>SUBTOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-590,000</b>
	<b>TOTAL UNDISTRIBUTED .....</b>	<b>0</b>	<b>-590,000</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE .....</b>	<b>123,944,614</b>	<b>205,396,660</b>

**1 SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS**

**2 CONTINGENCY OPERATIONS.**

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
	<b>OPERATION &amp; MAINTENANCE, ARMY OPERATING FORCES</b>		
010	MANEUVER UNITS .....	3,146,796	1,410,874
	Transfer back to base funding .....		[-1,735,922]
020	MODULAR SUPPORT BRIGADES .....	127,815	0
	Transfer back to base funding .....		[-127,815]
030	ECHELONS ABOVE BRIGADE .....	742,858	26,502
	Transfer back to base funding .....		[-716,356]
040	THEATER LEVEL ASSETS .....	3,165,381	2,274,490
	Transfer back to base funding .....		[-890,891]
050	LAND FORCES OPERATIONS SUPPORT .....	1,368,765	136,288
	Transfer back to base funding .....		[-1,232,477]
060	AVIATION ASSETS .....	1,655,846	300,240
	Transfer back to base funding .....		[-1,355,606]
070	FORCE READINESS OPERATIONS SUPPORT .....	6,889,293	3,415,009
	Transfer back to base funding .....		[-3,474,284]
080	LAND FORCES SYSTEMS READINESS .....	29,985	29,985
090	LAND FORCES DEPOT MAINTENANCE .....	1,720,258	86,931
	Transfer back to base funding .....		[-1,633,327]
100	BASE OPERATIONS SUPPORT .....	8,163,639	115,706
	Transfer back to base funding .....		[-8,047,933]
110	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	72,657	72,657
130	ADDITIONAL ACTIVITIES .....	6,397,586	6,397,586
140	COMMANDER'S EMERGENCY RESPONSE PROGRAM .....	5,000	5,000
150	RESET .....	1,048,896	1,048,896
160	US AFRICA COMMAND .....	203,174	203,174
170	US EUROPEAN COMMAND .....	173,676	173,676
200	CYBERSPACE ACTIVITIES—CYBERSPACE OPERATIONS ..	188,529	188,529
210	CYBERSPACE ACTIVITIES—CYBERSECURITY .....	5,682	5,682
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>35,105,836</b>	<b>15,891,225</b>
	<b>MOBILIZATION</b>		
230	ARMY PREPOSITIONED STOCKS .....	131,954	131,954
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>131,954</b>	<b>131,954</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>		
390	SERVICEWIDE TRANSPORTATION .....	721,014	721,014

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
400	CENTRAL SUPPLY ACTIVITIES .....	66,845	66,845
410	LOGISTIC SUPPORT ACTIVITIES .....	9,309	9,309
420	AMMUNITION MANAGEMENT .....	23,653	23,653
460	OTHER PERSONNEL SUPPORT .....	109,019	109,019
490	REAL ESTATE MANAGEMENT .....	251,355	251,355
9999	CLASSIFIED PROGRAMS .....	1,568,564	1,568,564
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES .....</b>	<b>2,749,759</b>	<b>2,749,759</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY .....</b>	<b>37,987,549</b>	<b>18,772,938</b>
	<b>OPERATION &amp; MAINTENANCE, ARMY RES</b>		
	<b>OPERATING FORCES</b>		
010	MODULAR SUPPORT BRIGADES .....	11,927	0
	Transfer back to base funding .....		[-11,927]
020	ECHELONS ABOVE BRIGADE .....	553,455	20,440
	Transfer back to base funding .....		[-533,015]
030	THEATER LEVEL ASSETS .....	119,517	0
	Transfer back to base funding .....		[-119,517]
040	LAND FORCES OPERATIONS SUPPORT .....	550,468	0
	Transfer back to base funding .....		[-550,468]
050	AVIATION ASSETS .....	86,670	0
	Transfer back to base funding .....		[-86,670]
060	FORCE READINESS OPERATIONS SUPPORT .....	689	689
080	LAND FORCES DEPOT MAINTENANCE .....	48,503	0
	Transfer back to base funding .....		[-48,503]
090	BASE OPERATIONS SUPPORT .....	615,370	16,463
	Transfer back to base funding .....		[-598,907]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,986,599</b>	<b>37,592</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARMY RES</b>	<b>1,986,599</b>	<b>37,592</b>
	<b>OPERATION &amp; MAINTENANCE, ARNG</b>		
	<b>OPERATING FORCES</b>		
010	MANEUVER UNITS .....	851,567	45,896
	Transfer back to base funding .....		[-805,671]
020	MODULAR SUPPORT BRIGADES .....	195,514	180
	Transfer back to base funding .....		[-195,334]
030	ECHELONS ABOVE BRIGADE .....	774,030	2,982
	Transfer back to base funding .....		[-771,048]
040	THEATER LEVEL ASSETS .....	95,274	548
	Transfer back to base funding .....		[-94,726]
050	LAND FORCES OPERATIONS SUPPORT .....	33,696	0
	Transfer back to base funding .....		[-33,696]
060	AVIATION ASSETS .....	991,048	9,229
	Transfer back to base funding .....		[-981,819]
070	FORCE READINESS OPERATIONS SUPPORT .....	1,584	1,584
090	LAND FORCES DEPOT MAINTENANCE .....	258,278	0
	Transfer back to base funding .....		[-258,278]
100	BASE OPERATIONS SUPPORT .....	1,175,139	22,063
	Transfer back to base funding .....		[-1,153,076]
120	MANAGEMENT AND OPERATIONAL HEADQUARTERS .....	606	606
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>4,376,736</b>	<b>83,088</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
170	SERVICEWIDE COMMUNICATIONS .....	203	203
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>203</b>	<b>203</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ARNG .....</b>	<b>4,376,939</b>	<b>83,291</b>
	<b>AFGHANISTAN SECURITY FORCES FUND</b>		
	<b>AFGHAN NATIONAL ARMY</b>		
090	SUSTAINMENT .....	1,313,047	1,313,047
100	INFRASTRUCTURE .....	37,152	37,152
110	EQUIPMENT AND TRANSPORTATION .....	120,868	120,868
120	TRAINING AND OPERATIONS .....	118,591	118,591
	<b>SUBTOTAL AFGHAN NATIONAL ARMY .....</b>	<b>1,589,658</b>	<b>1,589,658</b>
	<b>AFGHAN NATIONAL POLICE</b>		
130	SUSTAINMENT .....	422,806	422,806
140	INFRASTRUCTURE .....	2,358	2,358

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
150	EQUIPMENT AND TRANSPORTATION .....	127,081	127,081
160	TRAINING AND OPERATIONS .....	108,112	108,112
	<b>SUBTOTAL AFGHAN NATIONAL POLICE .....</b>	<b>660,357</b>	<b>660,357</b>
	<b>AFGHAN AIR FORCE</b>		
170	SUSTAINMENT .....	893,829	893,829
180	INFRASTRUCTURE .....	8,611	8,611
190	EQUIPMENT AND TRANSPORTATION .....	566,967	566,967
200	TRAINING AND OPERATIONS .....	356,108	356,108
	<b>SUBTOTAL AFGHAN AIR FORCE .....</b>	<b>1,825,515</b>	<b>1,825,515</b>
	<b>AFGHAN SPECIAL SECURITY FORCES</b>		
210	SUSTAINMENT .....	437,909	437,909
220	INFRASTRUCTURE .....	21,131	21,131
230	EQUIPMENT AND TRANSPORTATION .....	153,806	153,806
240	TRAINING AND OPERATIONS .....	115,602	115,602
	<b>SUBTOTAL AFGHAN SPECIAL SECURITY FORCES .....</b>	<b>728,448</b>	<b>728,448</b>
	<b>TOTAL AFGHANISTAN SECURITY FORCES FUND ..</b>	<b>4,803,978</b>	<b>4,803,978</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY OPERATING FORCES</b>		
010	MISSION AND OTHER FLIGHT OPERATIONS .....	5,682,156	2,804,356
	Transfer back to base funding .....		[-2,877,800]
030	AVIATION TECHNICAL DATA & ENGINEERING SERVICES .....	60,115	816
	Transfer back to base funding .....		[-59,299]
040	AIR OPERATIONS AND SAFETY SUPPORT .....	9,582	9,582
050	AIR SYSTEMS SUPPORT .....	197,262	197,262
060	AIRCRAFT DEPOT MAINTENANCE .....	1,322,427	168,246
	Transfer back to base funding .....		[-1,154,181]
070	AIRCRAFT DEPOT OPERATIONS SUPPORT .....	3,594	3,594
080	AVIATION LOGISTICS .....	10,618	10,618
090	MISSION AND OTHER SHIP OPERATIONS .....	5,582,370	1,485,108
	Transfer back to base funding .....		[-4,097,262]
100	SHIP OPERATIONS SUPPORT & TRAINING .....	20,334	20,334
110	SHIP DEPOT MAINTENANCE .....	10,426,913	2,365,615
	Transfer back to base funding .....		[-8,061,298]
120	SHIP DEPOT OPERATIONS SUPPORT .....	2,073,641	0
	Transfer back to base funding .....		[-2,073,641]
130	COMBAT COMMUNICATIONS AND ELECTRONIC WARFARE .....	58,092	58,092
140	SPACE SYSTEMS AND SURVEILLANCE .....	18,000	18,000
150	WARFARE TACTICS .....	16,984	16,984
160	OPERATIONAL METEOROLOGY AND OCEANOGRAPHY .....	29,382	29,382
170	COMBAT SUPPORT FORCES .....	608,870	608,870
180	EQUIPMENT MAINTENANCE AND DEPOT OPERATIONS SUPPORT .....	7,799	7,799
200	COMBATANT COMMANDERS DIRECT MISSION SUPPORT .....	24,800	24,800
220	CYBERSPACE ACTIVITIES .....	363	363
240	WEAPONS MAINTENANCE .....	486,188	486,188
250	OTHER WEAPON SYSTEMS SUPPORT .....	12,189	12,189
270	SUSTAINMENT, RESTORATION AND MODERNIZATION .....	68,667	68,667
280	BASE OPERATING SUPPORT .....	4,634,042	219,099
	Transfer back to base funding .....		[-4,414,943]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>31,354,388</b>	<b>8,615,964</b>
	<b>MOBILIZATION</b>		
320	EXPEDITIONARY HEALTH SERVICES SYSTEMS .....	17,580	17,580
330	COAST GUARD SUPPORT .....	190,000	190,000
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>207,580</b>	<b>207,580</b>
	<b>TRAINING AND RECRUITING</b>		
370	SPECIALIZED SKILL TRAINING .....	52,161	52,161
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>52,161</b>	<b>52,161</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
440	ADMINISTRATION .....	8,475	8,475
460	MILITARY MANPOWER AND PERSONNEL MANAGEMENT .....	7,653	7,653
490	SERVICEWIDE TRANSPORTATION .....	70,683	70,683
520	ACQUISITION, LOGISTICS, AND OVERSIGHT .....	11,130	11,130

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
530	INVESTIGATIVE AND SECURITY SERVICES .....	1,559	1,559
9999	CLASSIFIED PROGRAMS .....	21,054	17,754
	Transfer back to base funding .....		[-3,300]
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>120,554</b>	<b>117,254</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY .....</b>	<b>31,734,683</b>	<b>8,992,959</b>
	<b>OPERATION &amp; MAINTENANCE, MARINE CORPS OPERATING FORCES</b>		
010	OPERATIONAL FORCES .....	1,682,877	714,653
	Transfer back to base funding .....		[-968,224]
020	FIELD LOGISTICS .....	232,508	232,508
030	DEPOT MAINTENANCE .....	287,092	54,101
	Transfer back to base funding .....		[-232,991]
040	MARITIME PREPOSITIONING .....	100,396	0
	Transfer back to base funding .....		[-100,396]
050	CYBERSPACE ACTIVITIES .....	2,000	2,000
060	SUSTAINMENT, RESTORATION & MODERNIZATION .....	443,292	340,000
	Disaster recovery increase .....		[340,000]
	Transfer back to base funding .....		[-443,292]
070	BASE OPERATING SUPPORT .....	2,278,346	24,570
	Transfer back to base funding .....		[-2,253,776]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>5,026,511</b>	<b>1,367,832</b>
	<b>TRAINING AND RECRUITING</b>		
120	TRAINING SUPPORT .....	30,459	30,459
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>30,459</b>	<b>30,459</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
160	SERVICEWIDE TRANSPORTATION .....	61,400	61,400
9999	CLASSIFIED PROGRAMS .....	5,100	5,100
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>66,500</b>	<b>66,500</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MARINE CORPS .....</b>	<b>5,123,470</b>	<b>1,464,791</b>
	<b>OPERATION &amp; MAINTENANCE, NAVY RES OPERATING FORCES</b>		
010	MISSION AND OTHER FLIGHT OPERATIONS .....	654,220	0
	Transfer back to base funding .....		[-654,220]
020	INTERMEDIATE MAINTENANCE .....	510	510
030	AIRCRAFT DEPOT MAINTENANCE .....	119,864	11,628
	Transfer back to base funding .....		[-108,236]
080	COMBAT SUPPORT FORCES .....	10,898	10,898
120	BASE OPERATING SUPPORT .....	101,376	0
	Transfer back to base funding .....		[-101,376]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>886,868</b>	<b>23,036</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, NAVY RES .....</b>	<b>886,868</b>	<b>23,036</b>
	<b>OPERATION &amp; MAINTENANCE, MC RESERVE OPERATING FORCES</b>		
010	OPERATING FORCES .....	114,111	7,627
	Transfer back to base funding .....		[-106,484]
020	DEPOT MAINTENANCE .....	18,429	0
	Transfer back to base funding .....		[-18,429]
040	BASE OPERATING SUPPORT .....	107,153	1,080
	Transfer back to base funding .....		[-106,073]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>239,693</b>	<b>8,707</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, MC RESERVE .....</b>	<b>239,693</b>	<b>8,707</b>
	<b>OPERATION &amp; MAINTENANCE, AIR FORCE OPERATING FORCES</b>		
010	PRIMARY COMBAT FORCES .....	163,632	163,632
020	COMBAT ENHANCEMENT FORCES .....	1,049,170	1,049,170
030	AIR OPERATIONS TRAINING (OJT, MAINTAIN SKILLS) .....	111,808	111,808
040	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	3,743,491	408,699
	Transfer back to base funding .....		[-3,334,792]

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
050	FACILITIES SUSTAINMENT, RESTORATION & MODERNIZATION .....	613,875	487,264
	Disaster recovery increase .....		[340,000]
	Transfer back to base funding .....		[-466,611]
060	CYBERSPACE SUSTAINMENT .....	238,872	10,061
	Transfer back to base funding .....		[-228,811]
070	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	9,282,958	953,594
	Transfer back to base funding .....		[-8,329,364]
080	FLYING HOUR PROGRAM .....	6,544,039	2,495,266
	Transfer back to base funding .....		[-4,048,773]
090	BASE SUPPORT .....	8,762,102	1,538,120
	Transfer back to base funding .....		[-7,223,982]
100	GLOBAL C3I AND EARLY WARNING .....	13,863	13,863
110	OTHER COMBAT OPS SPT PROGRAMS .....	272,020	272,020
120	CYBERSPACE ACTIVITIES .....	17,657	17,657
130	TACTICAL INTEL AND OTHER SPECIAL ACTIVITIES .....	36,098	36,098
140	LAUNCH FACILITIES .....	391	391
150	SPACE CONTROL SYSTEMS .....	39,990	39,990
160	US NORTHCOM/NORAD .....	725	725
170	US STRATCOM .....	926	926
180	US CYBERCOM .....	35,189	35,189
190	US CENTCOM .....	163,015	163,015
200	US SOCOM .....	19,000	19,000
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>31,108,821</b>	<b>7,816,488</b>
	<b>MOBILIZATION</b>		
240	AIRLIFT OPERATIONS .....	1,271,439	1,271,439
250	MOBILIZATION PREPAREDNESS .....	109,682	109,682
	<b>SUBTOTAL MOBILIZATION .....</b>	<b>1,381,121</b>	<b>1,381,121</b>
	<b>TRAINING AND RECRUITING</b>		
260	OFFICER ACQUISITION .....	200	200
270	RECRUIT TRAINING .....	352	352
290	SPECIALIZED SKILL TRAINING .....	26,802	26,802
300	FLIGHT TRAINING .....	844	844
310	PROFESSIONAL DEVELOPMENT EDUCATION .....	1,199	1,199
320	TRAINING SUPPORT .....	1,320	1,320
	<b>SUBTOTAL TRAINING AND RECRUITING .....</b>	<b>30,717</b>	<b>30,717</b>
	<b>ADMIN &amp; SRVWD ACTIVITIES</b>		
380	LOGISTICS OPERATIONS .....	164,701	164,701
390	TECHNICAL SUPPORT ACTIVITIES .....	11,608	11,608
400	ADMINISTRATION .....	4,814	4,814
410	SERVICEWIDE COMMUNICATIONS .....	145,204	145,204
420	OTHER SERVICEWIDE ACTIVITIES .....	98,841	98,841
460	INTERNATIONAL SUPPORT .....	29,890	29,890
9999	CLASSIFIED PROGRAMS .....	52,995	52,995
	<b>SUBTOTAL ADMIN &amp; SRVWD ACTIVITIES .....</b>	<b>508,053</b>	<b>508,053</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AIR FORCE</b>	<b>33,028,712</b>	<b>9,736,379</b>
	<b>OPERATION &amp; MAINTENANCE, AF RESERVE OPERATING FORCES</b>		
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	518,423	24,188
	Transfer back to base funding .....		[-494,235]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	256,512	0
	Transfer back to base funding .....		[-256,512]
060	BASE SUPPORT .....	420,196	5,570
	Transfer back to base funding .....		[-414,626]
	<b>SUBTOTAL OPERATING FORCES .....</b>	<b>1,195,131</b>	<b>29,758</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, AF RESERVE</b>	<b>1,195,131</b>	<b>29,758</b>
	<b>OPERATION &amp; MAINTENANCE, ANG OPERATING FORCES</b>		
020	MISSION SUPPORT OPERATIONS .....	3,666	3,666
030	DEPOT PURCHASE EQUIPMENT MAINTENANCE .....	946,411	66,944

**SEC. 4302. OPERATION AND MAINTENANCE FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
	Transfer back to base funding .....		[-879,467]
050	CONTRACTOR LOGISTICS SUPPORT AND SYSTEM SUPPORT .....	1,392,709	93,620
	Transfer back to base funding .....		[-1,299,089]
060	BASE SUPPORT .....	924,454	12,679
	Transfer back to base funding .....		[-911,775]
070	CYBERSPACE SUSTAINMENT .....	24,742	0
	Transfer back to base funding .....		[-24,742]
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>3,291,982</b>	<b>176,909</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE, ANG</b> .....	<b>3,291,982</b>	<b>176,909</b>
	<b>OPERATION AND MAINTENANCE, DEFENSE-WIDE OPERATING FORCES</b>		
010	JOINT CHIEFS OF STAFF .....	21,866	21,866
020	JOINT CHIEFS OF STAFF—CE2T2 .....	6,634	6,634
040	SPECIAL OPERATIONS COMMAND COMBAT DEVELOPMENT ACTIVITIES .....	1,121,580	1,121,580
060	SPECIAL OPERATIONS COMMAND INTELLIGENCE .....	1,328,201	1,328,201
070	SPECIAL OPERATIONS COMMAND MAINTENANCE .....	399,845	399,845
090	SPECIAL OPERATIONS COMMAND OPERATIONAL SUPPORT .....	138,458	138,458
100	SPECIAL OPERATIONS COMMAND THEATER FORCES .....	808,729	808,729
	<b>SUBTOTAL OPERATING FORCES</b> .....	<b>3,825,313</b>	<b>3,825,313</b>
	<b>ADMIN &amp; SRVWIDE ACTIVITIES</b>		
180	DEFENSE CONTRACT AUDIT AGENCY .....	1,810	1,810
200	DEFENSE CONTRACT MANAGEMENT AGENCY .....	21,723	21,723
230	DEFENSE INFORMATION SYSTEMS AGENCY .....	81,133	81,133
240	DEFENSE INFORMATION SYSTEMS AGENCY—CYBER .....	3,455	3,455
270	DEFENSE LEGAL SERVICES AGENCY .....	196,124	196,124
290	DEFENSE MEDIA ACTIVITY .....	14,377	14,377
310	DEFENSE SECURITY COOPERATION AGENCY .....	1,927,217	1,977,217
	Security cooperation account, unjustified growth .....		[-100,000]
	Transfer from CTEF Iraq .....		[100,000]
	Ukraine Security Assistance Initiative .....		[50,000]
380	DEFENSE THREAT REDUCTION AGENCY .....	317,558	317,558
410	DEPARTMENT OF DEFENSE EDUCATION ACTIVITY .....	31,620	31,620
460	OFFICE OF THE SECRETARY OF DEFENSE .....	16,666	16,666
500	WASHINGTON HEADQUARTERS SERVICES .....	6,331	6,331
9999	CLASSIFIED PROGRAMS .....	2,005,285	1,924,785
	Transfer back to base funding .....		[-80,500]
	<b>SUBTOTAL ADMIN &amp; SRVWIDE ACTIVITIES</b> .....	<b>4,623,299</b>	<b>4,592,799</b>
	<b>TOTAL OPERATION AND MAINTENANCE, DEFENSE-WIDE</b> .....	<b>8,448,612</b>	<b>8,418,112</b>
	<b>TOTAL OPERATION &amp; MAINTENANCE</b> .....	<b>133,104,216</b>	<b>52,548,450</b>

1 **TITLE XLIV—MILITARY**  
2 **PERSONNEL**

3 **SEC. 4401. MILITARY PERSONNEL.**

**SEC. 4401. MILITARY PERSONNEL**  
(In Thousands of Dollars)

Item	FY 2020 Request	Senate Authorized
<b>MILITARY PERSONNEL</b>		
<b>MILITARY PERSONNEL APPROPRIATIONS</b>		
MILITARY PERSONNEL APPROPRIATIONS .....	143,476,503	142,557,523
Historical under execution .....		[-918,980]

**SEC. 4401. MILITARY PERSONNEL**  
(In Thousands of Dollars)

Item	FY 2020 Request	Senate Authorized
<b>SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS</b> .....	<b>143,476,503</b>	<b>142,557,523</b>
<b>MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS</b>		
MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS .....	7,816,815	7,816,815
<b>SUBTOTAL MEDICARE-ELIGIBLE RETIREE HEALTH FUND CONTRIBUTIONS</b> .....	<b>7,816,815</b>	<b>7,816,815</b>
<b>TOTAL MILITARY PERSONNEL</b> .....	<b>151,293,318</b>	<b>150,374,338</b>

1 **SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTIN-**  
2 **GENCY OPERATIONS.**

**SEC. 4402. MILITARY PERSONNEL FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Item	FY 2020 Request	Senate Authorized
<b>MILITARY PERSONNEL</b>		
<b>MILITARY PERSONNEL APPROPRIATIONS</b>		
MILITARY PERSONNEL APPROPRIATIONS .....	4,485,808	4,485,808
<b>SUBTOTAL MILITARY PERSONNEL APPROPRIATIONS</b> .....	<b>4,485,808</b>	<b>4,485,808</b>
<b>TOTAL MILITARY PERSONNEL</b> .....	<b>4,485,808</b>	<b>4,485,808</b>

3 **TITLE XLV—OTHER**  
4 **AUTHORIZATIONS**

5 **SEC. 4501. OTHER AUTHORIZATIONS.**

**SEC. 4501. OTHER AUTHORIZATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
<b>WORKING CAPITAL FUND</b>			
<b>WORKING CAPITAL FUND, ARMY</b>			
010	INDUSTRIAL OPERATIONS .....	57,467	57,467
020	SUPPLY MANAGEMENT—ARMY .....	32,130	32,130
	<b>SUBTOTAL WORKING CAPITAL FUND, ARMY</b> .....	<b>89,597</b>	<b>89,597</b>
<b>WORKING CAPITAL FUND, AIR FORCE</b>			
020	SUPPLIES AND MATERIALS .....	92,499	102,499
	Energy optimization initiatives .....		[10,000]
	<b>SUBTOTAL WORKING CAPITAL FUND, AIR FORCE</b> .....	<b>92,499</b>	<b>102,499</b>
<b>WORKING CAPITAL FUND, DEFENSE-WIDE</b>			
010	SUPPLY CHAIN MANAGEMENT—DEF .....	49,085	49,085
	<b>SUBTOTAL WORKING CAPITAL FUND, DEFENSE-WIDE</b> .....	<b>49,085</b>	<b>49,085</b>
<b>WORKING CAPITAL FUND, DECA</b>			
010	WORKING CAPITAL FUND, DECA .....	995,030	995,030
	<b>SUBTOTAL WORKING CAPITAL FUND, DECA</b> .....	<b>995,030</b>	<b>995,030</b>
<b>WCF, DEF COUNTERINTELLIGENCE &amp; SECURITY AGENCY</b>			

**SEC. 4501. OTHER AUTHORIZATIONS**  
(In Thousands of Dollars)

<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
010	DEFENSE COUNTERINTELLIGENCE AND SECURITY AGENCY	200,000	200,000
	<b>SUBTOTAL WCF, DEF COUNTERINTELLIGENCE &amp; SECURITY AGENCY</b> .....	<b>200,000</b>	<b>200,000</b>
	<b>TOTAL WORKING CAPITAL FUND</b> .....	<b>1,426,211</b>	<b>1,436,211</b>
	<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b>		
	<b>CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b>		
1	OPERATION AND MAINTENANCE .....	107,351	107,351
2	RESEARCH, DEVELOPMENT, TEST, AND EVALUATION .....	875,930	875,930
3	PROCUREMENT .....	2,218	2,218
	<b>SUBTOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b> .....	<b>985,499</b>	<b>985,499</b>
	<b>TOTAL CHEM AGENTS &amp; MUNITIONS DESTRUCTION</b> ...	<b>985,499</b>	<b>985,499</b>
	<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>		
	<b>DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES</b>		
010	COUNTER-NARCOTICS SUPPORT .....	581,739	581,739
	<b>SUBTOTAL DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES</b> .....	<b>581,739</b>	<b>581,739</b>
	<b>DRUG DEMAND REDUCTION PROGRAM</b>		
020	DRUG DEMAND REDUCTION PROGRAM .....	120,922	120,922
	<b>SUBTOTAL DRUG DEMAND REDUCTION PROGRAM</b> .....	<b>120,922</b>	<b>120,922</b>
	<b>NATIONAL GUARD COUNTER-DRUG PROGRAM</b>		
030	NATIONAL GUARD COUNTER-DRUG PROGRAM .....	91,370	91,370
	<b>SUBTOTAL NATIONAL GUARD COUNTER-DRUG PROGRAM</b> .....	<b>91,370</b>	<b>91,370</b>
	<b>NATIONAL GUARD COUNTER-DRUG SCHOOLS</b>		
040	NATIONAL GUARD COUNTER-DRUG SCHOOLS .....	5,371	5,371
	<b>SUBTOTAL NATIONAL GUARD COUNTER-DRUG SCHOOLS</b> .....	<b>5,371</b>	<b>5,371</b>
	<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b> .....	<b>799,402</b>	<b>799,402</b>
	<b>OFFICE OF THE INSPECTOR GENERAL</b>		
	<b>OFFICE OF THE INSPECTOR GENERAL</b>		
010	OPERATION AND MAINTENANCE .....	359,022	359,022
020	OPERATION AND MAINTENANCE—CYBER .....	1,179	1,179
030	RDT&E .....	2,965	2,965
040	PROCUREMENT .....	333	333
	<b>SUBTOTAL OFFICE OF THE INSPECTOR GENERAL</b> .....	<b>363,499</b>	<b>363,499</b>
	<b>TOTAL OFFICE OF THE INSPECTOR GENERAL</b> .....	<b>363,499</b>	<b>363,499</b>
	<b>DEFENSE HEALTH PROGRAM</b>		
	<b>OPERATION &amp; MAINTENANCE</b>		
010	IN-HOUSE CARE .....	9,570,615	9,570,615
020	PRIVATE SECTOR CARE .....	15,041,006	15,052,006
	Contraceptive cost-sharing .....		[11,000]
030	CONSOLIDATED HEALTH SUPPORT .....	1,975,536	1,975,536
040	INFORMATION MANAGEMENT .....	2,004,588	2,004,588
050	MANAGEMENT ACTIVITIES .....	333,246	333,246
060	EDUCATION AND TRAINING .....	793,810	793,810
070	BASE OPERATIONS/COMMUNICATIONS .....	2,093,289	2,093,289
	<b>SUBTOTAL OPERATION &amp; MAINTENANCE</b> .....	<b>31,812,090</b>	<b>31,823,090</b>
	<b>RDT&amp;E</b>		
080	R&D RESEARCH .....	12,621	12,621
090	R&D EXPLORATORY DEVELOPMENT .....	84,266	84,266
100	R&D ADVANCED DEVELOPMENT .....	279,766	279,766
110	R&D DEMONSTRATION/VALIDATION .....	128,055	128,055
120	R&D ENGINEERING DEVELOPMENT .....	143,527	143,527
130	R&D MANAGEMENT AND SUPPORT .....	67,219	67,219
140	R&D CAPABILITIES ENHANCEMENT .....	16,819	16,819

<b>SEC. 4501. OTHER AUTHORIZATIONS</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
	<b>SUBTOTAL RDT&amp;E</b> .....	<b>732,273</b>	<b>732,273</b>
	<b>PROCUREMENT</b>		
150	PROC INITIAL OUTFITTING .....	26,135	26,135
160	PROC REPLACEMENT & MODERNIZATION .....	225,774	225,774
170	PROC JOINT OPERATIONAL MEDICINE INFORMATION SYSTEM .....	314	314
180	PROC MILITARY HEALTH SYSTEM—DESKTOP TO DATACENTER .....	73,010	73,010
190	PROC DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION .....	129,091	129,091
	<b>SUBTOTAL PROCUREMENT</b> .....	<b>454,324</b>	<b>454,324</b>
	<b>TOTAL DEFENSE HEALTH PROGRAM</b> .....	<b>32,998,687</b>	<b>33,009,687</b>
	<b>TOTAL OTHER AUTHORIZATIONS</b> .....	<b>36,573,298</b>	<b>36,594,298</b>

1 **SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CON-**  
2 **TINGENCY OPERATIONS.**

<b>SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS</b> (In Thousands of Dollars)			
<b>Line</b>	<b>Item</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
	<b>WORKING CAPITAL FUND</b>		
	<b>WORKING CAPITAL FUND, ARMY</b>		
020	SUPPLY MANAGEMENT—ARMY .....	20,100	20,100
	<b>SUBTOTAL WORKING CAPITAL FUND, ARMY</b> .....	<b>20,100</b>	<b>20,100</b>
	<b>TOTAL WORKING CAPITAL FUND</b> .....	<b>20,100</b>	<b>20,100</b>
	<b>DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b>		
	<b>DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES</b>		
010	COUNTER-NARCOTICS SUPPORT .....	163,596	163,596
	<b>SUBTOTAL DRUG INTERDICTION AND COUNTER DRUG ACTIVITIES</b> .....	<b>163,596</b>	<b>163,596</b>
	<b>TOTAL DRUG INTERDICTION &amp; CTR-DRUG ACTIVITIES, DEF</b> .....	<b>163,596</b>	<b>163,596</b>
	<b>OFFICE OF THE INSPECTOR GENERAL</b>		
	<b>OFFICE OF THE INSPECTOR GENERAL</b>		
010	OPERATION & MAINTENANCE .....	24,254	24,254
	<b>SUBTOTAL OFFICE OF THE INSPECTOR GENERAL</b> .....	<b>24,254</b>	<b>24,254</b>
	<b>TOTAL OFFICE OF THE INSPECTOR GENERAL</b> .....	<b>24,254</b>	<b>24,254</b>
	<b>DEFENSE HEALTH PROGRAM</b>		
	<b>OPERATION &amp; MAINTENANCE</b>		
010	IN-HOUSE CARE .....	57,459	57,459
020	PRIVATE SECTOR CARE .....	287,487	287,487
030	CONSOLIDATED HEALTH SUPPORT .....	2,800	2,800
	<b>SUBTOTAL OPERATION &amp; MAINTENANCE</b> .....	<b>347,746</b>	<b>347,746</b>
	<b>TOTAL DEFENSE HEALTH PROGRAM</b> .....	<b>347,746</b>	<b>347,746</b>
	<b>COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b>		
	<b>COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b>		
010	IRAQ .....	745,000	645,000
	Transfer to DSCA Security Cooperation .....		[-100,000]
020	SYRIA .....	300,000	300,000
	<b>SUBTOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b> .....	<b>1,045,000</b>	<b>945,000</b>
	<b>TOTAL COUNTER ISIS TRAIN AND EQUIP FUND (CTEF)</b> .....	<b>1,045,000</b>	<b>945,000</b>

**SEC. 4502. OTHER AUTHORIZATIONS FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Line	Item	FY 2020 Request	Senate Authorized
	<b>TOTAL OTHER AUTHORIZATIONS</b>	<b>1,600,696</b>	<b>1,500,696</b>

1 **TITLE XLVI—MILITARY**  
2 **CONSTRUCTION**

3 **SEC. 4601. MILITARY CONSTRUCTION.**

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

Account	State/Country and Installation	Project Title	FY 2020 Request	Senate Authorized
<b>MILITARY CONSTRUCTION</b>				
<b>ARMY</b>				
	Alabama			
Army	Redstone Arsenal	Aircraft and Flight Equipment Building .....	38,000	38,000
	Colorado			
Army	Fort Carson	Company Operations Facility .....	71,000	71,000
	Georgia			
Army	Fort Gordon	Cyber Instructional Fac (Admin/Command) ...	107,000	67,000
Army	Hunter Army Airfield	Aircraft Maintenance Hangar .....	62,000	62,000
	Hawaii			
Army	Fort Shafter	Command and Control Facility, Iner 5 .....	60,000	60,000
	Honduras			
Army	Soto Cano AB	Aircraft Maintenance Hangar .....	34,000	34,000
	Japan			
Army	Kadena Air Base	Vehicle Maintenance Shop .....	0	15,000
	Kentucky			
Army	Fort Campbell	General Purpose Maintenance Shop .....	51,000	51,000
Army	Fort Campbell	Automated Infantry Platoon Battle Course ....	7,100	7,100
Army	Fort Campbell	Easements .....	3,200	3,200
	Massachusetts			
Army	Soldier Systems Center Natick	Human Engineering Lab .....	50,000	50,000
	Michigan			
Army	Detroit Arsenal	Substation .....	24,000	24,000
	New York			
Army	Fort Drum	Railhead .....	0	21,000
Army	Fort Drum	Unmanned Aerial Vehicle Hangar .....	23,000	23,000
	North Carolina			
Army	Fort Bragg	Dining Facility .....	12,500	12,500
	Oklahoma			
Army	Fort Sill	Adv Individual Training Barracks Cplx, Ph2 ..	73,000	73,000
	Pennsylvania			
Army	Carlisle Barracks	General Instruction Building .....	98,000	98,000
	South Carolina			
Army	Fort Jackson	Reception Complex, Ph2 .....	54,000	54,000
	Texas			
Army	Corpus Christi Army Depot	Powertrain Facility (Machine Shop) .....	86,000	86,000
	Fort Hood			
Army	Fort Hood	Vehicle Bridge .....	0	18,500
Army	Fort Hood	Barracks .....	32,000	32,000
	Virginia			
Army	Fort Belvoir	Secure Operations and Admin Facility .....	60,000	60,000
Army	Joint Base Langley-Eustis	Adv Individual Training Barracks Cplx, Ph4 ..	55,000	55,000
	Washington			
Army	Joint Base Lewis-McChord	Information Systems Facility .....	46,000	46,000
	Worldwide Unspecified			
Army	Unspecified Worldwide Locations	Unspecified Minor Construction .....	70,600	70,600
Army	Unspecified Worldwide Locations	Host Nation Support .....	31,000	31,000
Army	Unspecified Worldwide Locations	Planning and Design .....	94,099	94,099
Army	Unspecified Worldwide Locations	Unspecified Worldwide Construction .....	211,000	0
	<b>SUBTOTAL ARMY</b>		<b>1,453,499</b>	<b>1,256,999</b>

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
<b>NAVY</b>				
	Arizona			
Navy	MCAS Yuma	Bachelor Enlisted Quarters—2+2 Replacement.	0	99,600
Navy	Yuma	Hangar 95 Renovation & Addition .....	90,160	90,160
	Australia			
Navy	Darwin	Aircraft Parking Apron .....	0	50,000
	Bahrain Island			
Navy	SW Asia	Electrical System Upgrade .....	53,360	53,360
	California			
Navy	Camp Pendleton	I MEF Consolidated Information Center .....	113,869	23,000
Navy	Camp Pendleton	62 Area Mess Hall and Consolidated Warehouse.	71,700	71,700
Navy	China Lake	Runway & Taxiway Extension .....	64,500	64,500
Navy	Coronado	Aircraft Paint Complex .....	0	79,000
Navy	Coronado	Aircraft Paint Complex .....	79,100	79,100
Navy	Coronado	Navy V-22 Hangar .....	86,830	86,830
Navy	MCAS Miramar	Child Development Center .....	0	37,400
Navy	MCRD San Diego	PMO Facility Replacement .....	0	9,900
Navy	San Diego	Pier 8 Replacement (Inc) .....	59,353	59,353
Navy	Seal Beach	Missile Magazines .....	0	28,000
Navy	Seal Beach	Ammunition Pier .....	95,310	95,310
Navy	Travis AFB	Alert Force Complex .....	64,000	64,000
	Connecticut			
Navy	New London	SSN Berthing Pier 32 .....	72,260	72,260
	District of Columbia			
Navy	Naval Observatory	Master Time Clocks & Operations Fac (Inc) ...	75,600	75,600
	Florida			
Navy	Jacksonville	Targeting & Surveillance Syst Prod Supp Fac	32,420	32,420
Navy	MCSF Blount Island	Police Station and EOC Facility Replacement	0	18,700
	Guam			
Navy	Joint Region Marianas	Machine Gun Range (Inc) .....	91,287	91,287
Navy	Joint Region Marianas	Bachelor Enlisted Quarters H .....	164,100	20,000
Navy	Joint Region Marianas	EOD Compound Facilities .....	61,900	61,900
	Hawaii			
Navy	Kaneohe Bay	Bachelor Enlisted Quarters .....	134,050	39,000
Navy	West Loeh	Magazine Consolidation, Phase 1 .....	53,790	53,790
	Italy			
Navy	Signonella	Communications Station .....	77,400	77,400
	Japan			
Navy	Iwakuni	VTOL Pad—South .....	15,870	15,870
Navy	Yokosuka	Pier 5 (Berths 2 and 3) .....	174,692	110,000
	North Carolina			
Navy	Camp Lejeune	2nd Radio BN Complex, Phase 2 (Inc) .....	25,650	25,650
Navy	Camp Lejeune	ACV-AAV Maintenance Facility Upgrades .....	11,570	11,570
Navy	Camp Lejeune	10th Marines Himars Complex .....	35,110	35,110
Navy	Camp Lejeune	II MEF Operations Center Replacement .....	122,200	122,200
Navy	Camp Lejeune	2nd MARDIV/2nd MLG Ops Center Replacement.	60,130	60,130
Navy	MCAS Cherry Point	Slocum Road Physical Security Compliance ...	0	52,300
Navy	MCAS Cherry Point	Aircraft Maintenance Hangar (Inc) .....	73,970	73,970
Navy	MCAS Cherry Point	F-35 Training and Simulator Facility .....	53,230	53,230
Navy	MCAS Cherry Point	ATC Tower & Airfield Operations .....	61,340	61,340
Navy	MCAS Cherry Point	Flightline Utility Modernization (Inc) .....	51,860	51,860
Navy	New River	CH-53K Cargo Loading Trainer .....	11,320	11,320
	South Carolina			
Navy	MCRD Parris Island	Range Safety Improvements and Modernization Phase III, Chosin Range.	0	37,200
	Utah			
Navy	Hill AFB	D5 Missile Motor Receipt/Storage Fac (Inc) ...	50,520	50,520
	Virginia			
Navy	Portsmouth	Dry Dock Flood Protection Improvements .....	48,930	48,930
Navy	Quantico	Wargaming Center .....	143,350	10,000
Navy	Yorktown	Ninc Ordnance Facilities Recapitalization, Phase 1.	0	59,000
	Washington			
Navy	Bremerton	Dry Dock 4 & Pier 3 Modernization .....	51,010	51,010
Navy	Keyport	Undersea Vehicle Maintenance Facility .....	25,050	25,050
Navy	Kitsap	Seawolf Service Pier Cost-to-Complete .....	0	48,000
	Worldwide Unspecified			
Navy	Unspecified	Family Housing Mitigation and Oversight .....	0	59,600
Navy	Unspecified	Planning and Design .....	0	20,400
Navy	Unspecified	Planning and Design .....	0	8,000
Navy	Unspecified Worldwide Locations	Unspecified Minor Construction .....	81,237	81,237
Navy	Unspecified Worldwide Locations	Planning and Design .....	167,715	167,715

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
<b>SUBTOTAL NAVY</b> .....			<b>2,805,743</b>	<b>2,884,782</b>
<b>AIR FORCE</b>				
	Alaska			
Air Force	Eielson AFB	F-35 AME Storage Facility .....	8,600	8,600
	Arkansas			
Air Force	Little Rock AFB	C-130H/J Fuselage Trainer Facility .....	47,000	47,000
	Australia			
Air Force	Tindal	APR-RAAF Tindal/Bulk Storage Tanks .....	59,000	59,000
Air Force	Tindal	APR-RAAF Tindal/Earth Covered Magazine	11,600	11,600
	California			
Air Force	Travis AFB	MMHS Allied Support .....	0	17,000
Air Force	Travis AFB	KC-46A Alter B181/B185/B187 Squad Ops/AMU.	6,600	6,600
Air Force	Travis AFB	KC-46A Regional Maintenance Training Facility.	19,500	19,500
	Colorado			
Air Force	Peterson AFB	SOCNORTH Theater Operational Support Facility.	0	54,000
Air Force	Schriever AFB	Consolidated Space Operations Facility .....	148,000	23,000
	Cyprus			
Air Force	RAF Akrotiri	New Dormitory for 1 ERS .....	27,000	27,000
	Guam			
Air Force	Joint Region Marianas	Munitions Storage Igloos III .....	65,000	65,000
	Illinois			
Air Force	Scott AFB	Joint Operations & Mission Planning Center ..	100,000	90,000
	Japan			
Air Force	Kadena Air Base	Munitions Storage .....	0	7,000
Air Force	Misawa Air Base	Fuel Infrastructure Resiliency .....	0	5,300
Air Force	Yokota AB	Fuel Receipt & Distribution Upgrade .....	12,400	12,400
	Jordan			
Air Force	Azraq	Air Traffic Control Tower .....	24,000	24,000
Air Force	Azraq	Munitions Storage Area .....	42,000	42,000
	Mariana Islands			
Air Force	Tinian	Fuel Tanks W/ Pipeline/Hydrant System .....	109,000	10,000
Air Force	Tinian	Airfield Development Phase 1 .....	109,000	10,000
Air Force	Tinian	Parking Apron .....	98,000	98,000
	Maryland			
Air Force	Joint Base Andrews	Presidential Aircraft Recap Complex Inc 3 ....	86,000	86,000
	Massachusetts			
Air Force	Hanscom AFB	MIT-Lincoln Lab (West Lab CSL/MIF) Inc 2	135,000	65,000
	Missouri			
Air Force	Whiteman AFB	Consolidated Vehicle Ops and MX Facility .....	0	27,000
	Montana			
Air Force	Malmstrom AFB	Weapons Storage and Maintenance Facility ....	235,000	16,000
	Nevada			
Air Force	Nellis AFB	365th ISR Group Facility .....	57,000	57,000
Air Force	Nellis AFB	F-35A Munitions Assembly Conveyor Facility	8,200	8,200
	New Mexico			
Air Force	Holloman AFB	NC3 Support Wrm Storage/Shipping Facility	0	20,000
Air Force	Kirtland AFB	Combat Rescue Helicopter Simulator (CRH) ADAL.	15,500	15,500
Air Force	Kirtland AFB	UH-1 Replacement Facility .....	22,400	22,400
	North Dakota			
Air Force	Minot AFB	Helo/TRFOps/AMU Facility .....	5,500	5,500
	Ohio			
Air Force	Wright-Patterson AFB	ADAL Intelligence Prod. Complex (NASIC) Inc 2.	120,900	74,000
	Texas			
Air Force	Joint Base San Antonio	BMT Recruit Dormitory 8 .....	110,000	17,000
Air Force	Joint Base San Antonio	Aquatics Tank .....	69,000	69,000
Air Force	Joint Base San Antonio	T-XA DAL Ground Based Trng Sys (GBTSS) Sim.	9,300	9,300
Air Force	Joint Base San Antonio	T-XXM Trng Sys Centralized Trng Fac .....	19,000	19,000
	United Kingdom			
Air Force	Royal Air Force Lakenheath	F-35A PGM Facility .....	14,300	14,300
	Utah			
Air Force	Hill AFB	GBSD Mission Integration Facility .....	108,000	18,000
Air Force	Hill AFB	Joint Advanced Tactical Missile Storage Fac ..	6,500	6,500
	Washington			
Air Force	Fairchild AFB	Consolidated TFI Base Operations .....	31,000	31,000
	Worldwide Unspecified			
Air Force	Unspecified Conus	Military Family Housing Civilian Personnel ...	0	31,200
Air Force	Unspecified Worldwide	Cost to Complete .....	0	190,000
Air Force	Unspecified Worldwide	Planning and Design .....	0	40,000
Air Force	Various Worldwide Locations	Planning and Design .....	142,148	142,148

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
Air Force	Various Worldwide Locations	Unspecified Minor Construction .....	79,682	79,682
Air Force	Wyoming F. E. Warren AFB	Consolidated Helo/TRF Ops/AMU and Alert Fac.	18,100	18,100
<b>SUBTOTAL AIR FORCE .....</b>			<b>2,179,230</b>	<b>1,718,830</b>
<b>DEFENSE-WIDE</b>				
	California			
Defense-Wide	Beale AFB	Hydrant Fuel System Replacement .....	33,700	33,700
Defense-Wide	Camp Pendleton	Ambul Care Center/Dental Clinic Replacement	17,700	17,700
Defense-Wide	Mountain View—63 RSC	Install Microgrid Controller, 750 Kw PV, and 750 Kwh Battery Storage.	0	9,700
Defense-Wide	NAWS China Lake	Energy Storage System .....	0	8,950
Defense-Wide	NSA Monterey	Cogeneration Plant at B236 .....	0	10,540
	Conus Classified			
Defense-Wide	Classified Location	Battalion Complex, Ph 3 .....	82,200	82,200
	Florida			
Defense-Wide	Eglin AFB	SOF Combined Squadron Ops Facility .....	16,500	16,500
Defense-Wide	Hurlburt Field	SOF Maintenance Training Facility .....	18,950	18,950
Defense-Wide	Hurlburt Field	SOF AMU & Weapons Hangar .....	72,923	72,923
Defense-Wide	Hurlburt Field	SOF Combined Squadron Operations Facility	16,513	16,513
Defense-Wide	Key West	SOF Watercraft Maintenance Facility .....	16,000	16,000
	Germany			
Defense-Wide	Geilenkirchen AB	Ambulatory Care Center/Dental Clinic .....	30,479	30,479
Defense-Wide	Ramstein	Landstuhl Elementary School .....	0	66,800
	Guam			
Defense-Wide	Joint Region Marianas	Xray Wharf Refueling Facility .....	19,200	19,200
Defense-Wide	NB Guam	NSA Andersen Smart Grid and ICS Infrastructure.	0	16,970
	Hawaii			
Defense-Wide	Joint Base Pearl Harbor-Hickam (JBPHH)	Install 500kw Covered Parking PV System & Electric Vehicle Charging Stations B479.	0	4,000
Defense-Wide	Joint Base Pearl Harbor-Hickam	SOF Undersea Operational Training Facility	67,700	67,700
	Japan			
Defense-Wide	Yokosuka	Kinnick High School Inc 2 .....	130,386	10,000
Defense-Wide	Yokota AB	Pacific East District Superintendent's Office ..	20,106	20,106
Defense-Wide	Yokota AB	Bulk Storage Tanks PH1 .....	116,305	21,000
	Louisiana			
Defense-Wide	JRB NAS New Orleans	Distribution Switchgear .....	0	5,340
	Maryland			
Defense-Wide	Bethesda Naval Hospital	MEDCEN Addition/Altertion Iner 3 .....	96,900	96,900
Defense-Wide	Fort Detrick	Medical Research Acquisition Building .....	27,846	27,846
Defense-Wide	Fort Meade	NSAW Recapitalize Building #3 Inc 2 .....	426,000	426,000
Defense-Wide	NSA Bethesda	Chiller 3-9 Replacement .....	0	13,840
Defense-Wide	South Potomac	IH Water Project—CBIRF/IHEODTD/Housing.	0	18,460
	Mississippi			
Defense-Wide	Columbus AFB	Fuel Facilities Replacement .....	16,800	16,800
	Missouri			
Defense-Wide	Fort Leonard Wood	Hospital Replacement Iner 2 .....	50,000	50,000
Defense-Wide	St Louis	Next NGA West (N2W) Complex Phase 2 Inc. 2.	218,800	153,000
	New Mexico			
Defense-Wide	White Sands Missile Range	Install Microgrid, 700kw PV, 150 Kw Generator, and Batteries.	0	5,800
	North Carolina			
Defense-Wide	Camp Lejeune	SOF Marine Raider Regiment HQ .....	13,400	13,400
Defense-Wide	Fort Bragg	SOF Human Platform-Force Generation Facility.	43,000	43,000
Defense-Wide	Fort Bragg	SOF Assessment and Selection Training Complex.	12,103	12,103
Defense-Wide	Fort Bragg	SOF Operations Support Bldg .....	29,000	29,000
	Oklahoma			
Defense-Wide	Tulsa IAP	Fuels Storage Complex .....	18,900	18,900
	Rhode Island			
Defense-Wide	Quonset State Airport	Fuels Storage Complex Replacement .....	11,600	11,600
	South Carolina			
Defense-Wide	Joint Base Charleston	Medical Consolidated Storage & Distrib Center	33,300	33,300
	South Dakota			
Defense-Wide	Ellsworth AFB	Hydrant Fuel System Replacement .....	24,800	24,800
	Texas			
Defense-Wide	Camp Swift	Install Microgrid, 650 Kw PV, & 500 Kw Generator.	0	4,500

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
Defense-Wide	Fort Hood	Install a Central Energy Plant .....	0	16,500
	Virginia			
Defense-Wide	Dam Neck	SOF Demolition Training Compound Expansion.	12,770	12,770
Defense-Wide	Def Distribution Depot Richmond	Operations Center Phase 2 .....	98,800	98,800
Defense-Wide	Joint Expeditionary Base Little Creek—Story	SOF NSWG—10 Operations Support Facility ..	32,600	32,600
Defense-Wide	Joint Expeditionary Base Little Creek—Story	SOF NSWG2 JSOTF Ops Training Facility ..	13,004	13,004
Defense-Wide	NRO Headquarters	Irrigation System Upgrade .....	0	66
Defense-Wide	Pentagon	Backup Generator .....	8,670	8,670
Defense-Wide	Pentagon	Control Tower & Fire Day Station .....	20,132	20,132
	Washington			
Defense-Wide	Joint Base Lewis-McChord	SOF 22 STS Operations Facility .....	47,700	47,700
Defense-Wide	Naval Base Kitsap	Keyport Main Substation Replacement .....	0	23,670
	Wisconsin			
Defense-Wide	Gen Mitchell IAP	POL Facilities Replacement .....	25,900	25,900
	Worldwide Classified			
Defense-Wide	Classified Location	Mission Support Compound .....	52,000	52,000
	Worldwide Unspecified			
Defense-Wide	Unspecified Worldwide	Defense Community Infrastructure Program ..	0	100,000
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	4,950	4,950
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	8,000	8,000
Defense-Wide	Unspecified Worldwide Locations	Planning and Design .....	29,679	29,679
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	10,000	10,000
Defense-Wide	Unspecified Worldwide Locations	Planning and Design .....	35,472	35,472
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	31,464	31,464
Defense-Wide	Unspecified Worldwide Locations	Energy Resilience and Conserv. Invest. Prog.	150,000	150,000
Defense-Wide	Unspecified Worldwide Locations	Contingency Construction .....	10,000	10,000
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	3,000	3,000
Defense-Wide	Unspecified Worldwide Locations	Planning and Design .....	14,400	14,400
Defense-Wide	Unspecified Worldwide Locations	ERCIP Design .....	10,000	10,000
Defense-Wide	Unspecified Worldwide Locations	Unspecified Minor Construction .....	3,228	3,228
Defense-Wide	Unspecified Worldwide Locations	Planning and Design .....	15,000	15,000
Defense-Wide	Unspecified Worldwide Locations	Exercise Related Minor Construction .....	11,770	11,770
Defense-Wide	Unspecified Worldwide Locations	Planning and Design .....	4,890	4,890
Defense-Wide	Various Worldwide Locations	Planning and Design .....	52,532	52,532
Defense-Wide	Various Worldwide Locations	Planning and Design .....	27,000	27,000
Defense-Wide	Various Worldwide Locations	Unspecified Minor Construction .....	16,736	16,736
Defense-Wide	Various Worldwide Locations	Unspecified Minor Construction .....	10,000	10,000
Defense-Wide	Various Worldwide Locations	Planning and Design .....	63,382	63,382
<b>SUBTOTAL DEFENSE-WIDE .....</b>			<b>2,504,190</b>	<b>2,527,835</b>
<b>ARMY NATIONAL GUARD</b>				
	Alabama			
Army National Guard	Anniston	Enlisted Transient Training Barracks .....	0	34,000
Army National Guard	Foley	National Guard Readiness Center .....	12,000	12,000
	California			
Army National Guard	Camp Roberts	Automated Multipurpose Machine Gun Range	12,000	12,000
	Idaho			
Army National Guard	Orchard Training Area	Railroad Tracks .....	29,000	29,000
	Maryland			
Army National Guard	Havre de Grace	Combined Support Maintenance Shop .....	12,000	12,000

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
Army National Guard	Massachusetts Camp Edwards	Automated Multipurpose Machine Gun Range	9,700	9,700
Army National Guard	Minnesota New Ulm	National Guard Vehicle Maintenance Shop .....	11,200	11,200
Army National Guard	Mississippi Camp Shelby	Automated Multipurpose Machine Gun Range	8,100	8,100
Army National Guard	Missouri Springfield	National Guard Readiness Center .....	12,000	12,000
Army National Guard	Nebraska Bellevue	National Guard Readiness Center .....	29,000	29,000
Army National Guard	New Hampshire Concord	National Guard Readiness Center .....	5,950	5,950
Army National Guard	New York Jamaica Armory	National Guard Readiness Center .....	0	20,000
Army National Guard	Pennsylvania Moon Township	Combined Support Maintenance Shop .....	23,000	23,000
Army National Guard	Vermont Camp Ethan Allen	General Instruction Building (Mountain Warfare School).	0	30,000
Army National Guard	Washington Richland	National Guard Readiness Center .....	11,400	11,400
Army National Guard	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	15,000	15,000
Army National Guard	Unspecified Worldwide Locations	Planning and Design .....	20,469	20,469
<b>SUBTOTAL ARMY NATIONAL GUARD .....</b>			<b>210,819</b>	<b>294,819</b>
<b>AIR NATIONAL GUARD</b>				
Air National Guard	California Moffett Air National Guard Base (NASA)	Fuels/Corrosion Control Hangar and Shops ...	0	57,000
Air National Guard	Georgia Savannah/Hilton Head IAP	Consolidated Joint Air Dominance Hangar/Shops.	24,000	24,000
Air National Guard	Missouri Rosecrans Memorial Airport	C-130 Flight Simulator Facility .....	9,500	9,500
Air National Guard	Puerto Rico Luis Munoz-Marin IAP	Communications Facility .....	12,500	12,500
Air National Guard	Luis Munoz-Marin IAP	Maintenance Hangar .....	37,500	37,500
Air National Guard	Wisconsin Truax Field	F-35 Simulator Facility .....	14,000	14,000
Air National Guard	Truax Field	Fighter Alert Shelters .....	20,000	20,000
Air National Guard	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	31,471	31,471
Air National Guard	Various Worldwide Locations	Planning and Design .....	17,000	17,000
<b>SUBTOTAL AIR NATIONAL GUARD .....</b>			<b>165,971</b>	<b>222,971</b>
<b>ARMY RESERVE</b>				
Army Reserve	Delaware Dover AFB	Army Reserve Center/BMA .....	21,000	21,000
Army Reserve	Wisconsin Fort McCoy	Transient Training Barracks .....	25,000	25,000
Army Reserve	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	8,928	8,928
Army Reserve	Unspecified Worldwide Locations	Planning and Design .....	6,000	6,000
<b>SUBTOTAL ARMY RESERVE .....</b>			<b>60,928</b>	<b>60,928</b>
<b>NAVY RESERVE</b>				
Navy Reserve	Louisiana New Orleans	Entry Control Facility Upgrades .....	25,260	25,260
Navy Reserve	Worldwide Unspecified Unspecified Worldwide Locations	Unspecified Minor Construction .....	24,915	24,915
Navy Reserve	Unspecified Worldwide Locations	Planning and Design .....	4,780	4,780
<b>SUBTOTAL NAVY RESERVE .....</b>			<b>54,955</b>	<b>54,955</b>
<b>AIR FORCE RESERVE</b>				

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
Air Force Reserve	Georgia Robins AFB	Consolidated Mission Complex Phase 3 .....	43,000	43,000
Air Force Reserve	Minnesota Minneapolis-St Paul IAP	Aerial Port Facility .....	0	9,800
Air Force Reserve	Worldwide Unspecified Unspecified Worldwide Locations	Planning and Design .....	4,604	4,604
Air Force Reserve	Unspecified Worldwide Locations	Unspecified Minor Construction .....	12,146	12,146
<b>SUBTOTAL AIR FORCE RESERVE .....</b>			<b>59,750</b>	<b>69,550</b>
<b>NATO SECURITY INVESTMENT PROGRAM</b>				
NATO Security Investment Program	Worldwide Unspecified NATO Security Investment Program	NATO Security Investment Program .....	144,040	144,040
<b>SUBTOTAL NATO SECURITY INVESTMENT PROGRAM .....</b>			<b>144,040</b>	<b>144,040</b>
<b>TOTAL MILITARY CONSTRUCTION .....</b>			<b>9,639,125</b>	<b>9,235,709</b>
<b>FAMILY HOUSING CONSTRUCTION, ARMY</b>				
Construction, Army	Germany Baumholder	Family Housing Improvements .....	29,983	29,983
Construction, Army	Korea Camp Humphreys	Family Housing New Construction Iner 4 .....	83,167	83,167
Construction, Army	Pennsylvania Tobyhanna Army Depot	Family Housing Replacement Construction .....	19,000	19,000
Construction, Army	Worldwide Unspecified Unspecified Worldwide Locations	Family Housing P & D .....	9,222	9,222
<b>SUBTOTAL CONSTRUCTION, ARMY .....</b>			<b>141,372</b>	<b>141,372</b>
<b>O&amp;M, ARMY</b>				
O&M, Army	Worldwide Unspecified Unspecified Worldwide Locations	Management .....	38,898	38,898
O&M, Army	Unspecified Worldwide Locations	Services .....	10,156	10,156
O&M, Army	Unspecified Worldwide Locations	Furnishings .....	24,027	24,027
O&M, Army	Unspecified Worldwide Locations	Miscellaneous .....	484	484
O&M, Army	Unspecified Worldwide Locations	Maintenance .....	81,065	81,065
O&M, Army	Unspecified Worldwide Locations	Utilities .....	55,712	55,712
O&M, Army	Unspecified Worldwide Locations	Leasing .....	128,938	128,938
O&M, Army	Unspecified Worldwide Locations	Housing Privatization Support .....	18,627	83,627
<b>SUBTOTAL O&amp;M, ARMY .....</b>			<b>357,907</b>	<b>422,907</b>
<b>CONSTRUCTION, NAVY AND MARINE CORPS</b>				
Construction, Navy and Marine Corps	Worldwide Unspecified Unspecified Worldwide Locations	USMC DPRI/GUAM PLANNING AND DESIGN .....	2,000	2,000
Construction, Navy and Marine Corps	Unspecified Worldwide Locations	Construction Improvements .....	41,798	41,798
Construction, Navy and Marine Corps	Unspecified Worldwide Locations	Planning & Design .....	3,863	3,863
<b>SUBTOTAL CONSTRUCTION, NAVY AND MARINE CORPS .....</b>			<b>47,661</b>	<b>47,661</b>
<b>O&amp;M, NAVY AND MARINE CORPS</b>				
O&M, Navy and Marine Corps	Worldwide Unspecified Unspecified Worldwide Locations	Utilities .....	63,229	63,229
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Furnishings .....	19,009	19,009
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Management .....	50,122	50,122
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Miscellaneous .....	151	151

**SEC. 4601. MILITARY CONSTRUCTION**  
(In Thousands of Dollars)

<b>Account</b>	<b>State/Country and Installation</b>	<b>Project Title</b>	<b>FY 2020 Request</b>	<b>Senate Authorized</b>
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Services .....	16,647	16,647
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Leasing .....	64,126	64,126
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Maintenance .....	82,611	82,611
O&M, Navy and Marine Corps	Unspecified Worldwide Locations	Housing Privatization Support .....	21,975	102,975
<b>SUBTOTAL O&amp;M, NAVY AND MARINE CORPS .....</b>			<b>317,870</b>	<b>398,870</b>
<b>CONSTRUCTION, AIR FORCE</b>				
Germany				
Construction, Air Force	Spangdahlem AB	Construct Deficit Military Family Housing .....	53,584	53,584
Worldwide Unspecified				
Construction, Air Force	Unspecified Worldwide Locations	Construction Improvements .....	46,638	46,638
Construction, Air Force	Unspecified Worldwide Locations	Planning & Design .....	3,409	3,409
<b>SUBTOTAL CONSTRUCTION, AIR FORCE .....</b>			<b>103,631</b>	<b>103,631</b>
<b>O&amp;M, AIR FORCE</b>				
Worldwide Unspecified				
O&M, Air Force	Unspecified Worldwide Locations	Housing Privatization .....	22,593	87,593
O&M, Air Force	Unspecified Worldwide Locations	Utilities .....	42,732	42,732
O&M, Air Force	Unspecified Worldwide Locations	Management .....	56,022	56,022
O&M, Air Force	Unspecified Worldwide Locations	Services .....	7,770	7,770
O&M, Air Force	Unspecified Worldwide Locations	Furnishings .....	30,283	30,283
O&M, Air Force	Unspecified Worldwide Locations	Miscellaneous .....	2,144	2,144
O&M, Air Force	Unspecified Worldwide Locations	Leasing .....	15,768	15,768
O&M, Air Force	Unspecified Worldwide Locations	Maintenance .....	117,704	117,704
<b>SUBTOTAL O&amp;M, AIR FORCE .....</b>			<b>295,016</b>	<b>360,016</b>
<b>O&amp;M, DEFENSE-WIDE</b>				
Worldwide Unspecified				
O&M, Defense-Wide	Unspecified Worldwide Locations	Utilities .....	4,100	4,100
O&M, Defense-Wide	Unspecified Worldwide Locations	Furnishings .....	82	82
O&M, Defense-Wide	Unspecified Worldwide Locations	Utilities .....	13	13
O&M, Defense-Wide	Unspecified Worldwide Locations	Leasing .....	12,906	12,906
O&M, Defense-Wide	Unspecified Worldwide Locations	Maintenance .....	32	32
O&M, Defense-Wide	Unspecified Worldwide Locations	Furnishings .....	645	645
O&M, Defense-Wide	Unspecified Worldwide Locations	Leasing .....	39,222	39,222
<b>SUBTOTAL O&amp;M, DEFENSE-WIDE .....</b>			<b>57,000</b>	<b>57,000</b>
<b>IMPROVEMENT FUND</b>				
Worldwide Unspecified				
Improvement Fund	Unspecified Worldwide Locations	Administrative Expenses—FHIF .....	3,045	3,045
<b>SUBTOTAL IMPROVEMENT FUND .....</b>			<b>3,045</b>	<b>3,045</b>
<b>UNACCMP HSG IMPROVEMENT FUND</b>				
Worldwide Unspecified				
Unaccmp HSG Improvement Fund	Unspecified Worldwide Locations	Administrative Expenses—UHIF .....	500	500
<b>SUBTOTAL UNACCMP HSG IMPROVEMENT FUND .....</b>			<b>500</b>	<b>500</b>
<b>TOTAL FAMILY HOUSING .....</b>			<b>1,324,002</b>	<b>1,535,002</b>

SEC. 4601. MILITARY CONSTRUCTION (In Thousands of Dollars)				
Account	State/Country and Installation	Project Title	FY 2020 Request	Senate Authorized
<b>DEFENSE BASE REALIGNMENT AND CLOSURE</b>				
<b>ARMY BRAC</b>				
Army BRAC	Worldwide Unspecified Base Realignment & Closure, Army	Base Realignment and Closure .....	66,111	66,111
<b>SUBTOTAL ARMY BRAC</b> .....			<b>66,111</b>	<b>66,111</b>
<b>NAVY BRAC</b>				
Navy BRAC	Worldwide Unspecified Unspecified Worldwide Locations	Base Realignment & Closure .....	158,349	158,349
<b>SUBTOTAL NAVY BRAC</b> .....			<b>158,349</b>	<b>158,349</b>
<b>AIR FORCE BRAC</b>				
Air Force BRAC	Worldwide Unspecified Unspecified Worldwide Locations	DoD BRAC Activities—Air Force .....	54,066	54,066
<b>SUBTOTAL AIR FORCE BRAC</b> .....			<b>54,066</b>	<b>54,066</b>
<b>TOTAL DEFENSE BASE REALIGNMENT AND CLOSURE</b> .....			<b>278,526</b>	<b>278,526</b>
<b>TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC</b> .....			<b>11,241,653</b>	<b>11,049,237</b>

**1 SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CON-**  
**2 TINGENCY OPERATIONS.**

SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS (In Thousands of Dollars)				
Account	State or Country and Installation	Project Title	FY 2020 Request	Senate Authorized
<b>MILITARY CONSTRUCTION</b>				
<b>ARMY</b>				
Army	Guantanamo Bay, Cuba Guantanamo Bay Naval Station	OCO: Communications Facility .....	22,000	22,000
Army	Guantanamo Bay Naval Station	OCO: High Value Detention Facility .....	88,500	0
Army	Guantanamo Bay Naval Station	OCO: Detention Legal Office and Comms Ctr ..	11,800	11,800
Army	Worldwide Unspecified Unspecified Worldwide Locations	EDI: Bulk Fuel Storage .....	36,000	36,000
Army	Unspecified Worldwide Locations	EDI: Information Systems Facility .....	6,200	6,200
Army	Unspecified Worldwide Locations	EDI/OCO Planning and Design .....	19,498	19,498
Army	Unspecified Worldwide Locations	EDI: Minor Construction .....	5,220	5,220
Army	Unspecified Worldwide Locations	Unspecified Worldwide Construction .....	9,200,000	0
<b>SUBTOTAL ARMY</b> .....			<b>9,389,218</b>	<b>100,718</b>
<b>NAVY</b>				
Navy	North Carolina Camp Lejeune	1/8 BN HQ Replacement .....	0	20,635
Navy	Camp Lejeune	22nd, 24th and 26th MEU Headquarters Replacement.	0	31,110
Navy	Camp Lejeune	2D Tank BN/CO HQ and Armory Replacement	0	30,154
Navy	Camp Lejeune	2D TSB HQ Replacement .....	0	17,413
Navy	Camp Lejeune	Bachelor Enlisted Quarters Replacement .....	0	62,104
Navy	Camp Lejeune	C-12W Aircraft Maintenance Hangar Replacement.	0	36,295
Navy	Camp Lejeune	CLB Headquarters Facilities Replacement .....	0	24,788
Navy	Camp Lejeune	Courthouse Bay Fire Station Replacement .....	0	21,336
Navy	Camp Lejeune	Environmental Management Division Replacement.	0	11,658
Navy	Camp Lejeune	Fire Station Replacement, Hadnot Point .....	0	21,931
Navy	Camp Lejeune	Hadnot Point Mess Hall Replacement .....	0	66,023

**SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Account	State or Country and Installation	Project Title	FY 2020 Request	Senate Authorized
Navy	Camp Lejeune	II MEF Simulation/Training Center Replacement.	0	74,487
Navy	Camp Lejeune	LOGCOM CSP Warehouse Replacement .....	0	35,874
Navy	Camp Lejeune	LSSS Facility Replacement .....	0	26,815
Navy	Camp Lejeune	MCAB HQ Replacement .....	0	30,109
Navy	Camp Lejeune	MCCSSS Log Ops School .....	0	179,617
Navy	Camp Lejeune	PMO/H&HS & MWHS-2 Headquarters Replacement.	0	65,845
Navy	Camp Lejeune	Replace NCIS Facilities .....	0	22,594
Navy	Camp Lejeune	Replace Regimental Headquarters 2DMARDIV .....	0	64,155
Navy	Camp Lejeune	Replace WTBN Headquarters .....	0	18,644
Navy	MCAS Cherry Point	BT-11 Range Operations Center Replacement .....	0	14,251
Navy	MCAS Cherry Point	Motor Transportation/Communication Shop Replacement.	0	32,785
Navy	MCAS Cherry Point	Station Academic Facility/Auditorium Replacement.	0	17,525
	Spain			
Navy	Rota	EDI: Joint Mobility Center .....	46,840	46,840
Navy	Rota	EDI: In-Transit Munitions Facility .....	9,960	9,960
Navy	Rota	EDI: Small Craft Berthing Facility .....	12,770	12,770
	Worldwide Unspecified			
Navy	Unspecified	Planning & Design .....	0	50,000
Navy	Unspecified Worldwide Locations	Planning and Design .....	25,000	25,000
<b>SUBTOTAL NAVY .....</b>			<b>94,570</b>	<b>1,070,718</b>
<b>AIR FORCE</b>				
	Florida			
Air Force	Tyndall AFB	53 WEG Hangar .....	0	96,000
Air Force	Tyndall AFB	53 WEG HQ Facility .....	0	47,000
Air Force	Tyndall AFB	53 WEG Subscale Drone Facility .....	0	53,000
Air Force	Tyndall AFB	ABM SIM .....	0	12,900
Air Force	Tyndall AFB	Aerospace & Operational Physiology Facility .....	0	10,400
Air Force	Tyndall AFB	AFCEC RDT&E Facilities and Gate .....	0	195,000
Air Force	Tyndall AFB	Aircraft Washrack .....	0	10,600
Air Force	Tyndall AFB	Civil Engineer Contracting USACE Complex .....	0	130,000
Air Force	Tyndall AFB	Crash Fire Rescue .....	0	17,200
Air Force	Tyndall AFB	Deployment Center / Flight Line Dining / AAFES.	0	31,000
Air Force	Tyndall AFB	Emergency Management, EOC, Alt CP .....	0	14,400
Air Force	Tyndall AFB	Fire Station #2 .....	0	11,000
Air Force	Tyndall AFB	Fire Station Silver Flag #4 .....	0	5,900
Air Force	Tyndall AFB	FW AC Maintenance Fuel Cell (Barn) .....	0	28,000
Air Force	Tyndall AFB	Logistics Readiness Squadron Complex .....	0	102,000
Air Force	Tyndall AFB	LRS Aircraft Parts & Deployable Spares Storage Facilities.	0	29,000
Air Force	Tyndall AFB	New Lodge Facilities .....	0	176,000
Air Force	Tyndall AFB	Operations Group/Maintenance Group HQ .....	0	18,500
Air Force	Tyndall AFB	OSS / RAPCON Facility .....	0	51,000
Air Force	Tyndall AFB	Relocate F-22 Formal Training Unit .....	0	150,000
Air Force	Tyndall AFB	SFS Mobility Storage Facility .....	0	2,800
Air Force	Tyndall AFB	Silver Flag Facilities .....	0	35,000
Air Force	Tyndall AFB	Special Purpose Vehicle Maintenance .....	0	14,000
Air Force	Tyndall AFB	Tyndall AFB Gate Complexes .....	0	38,000
	Iceland			
Air Force	Keflavik	EDI-Expand Parking Apron .....	32,000	32,000
Air Force	Keflavik	EDI-Beddown Site Prep .....	7,000	7,000
Air Force	Keflavik	EDI-Airfield Upgrades—Dangerous Cargo Pad .....	18,000	18,000
	Spain			
Air Force	Moron	EDI-Hot Cargo Pad .....	8,500	8,500
	Worldwide Unspecified			
Air Force	Unspecified	Planning & Design .....	0	247,000
Air Force	Unspecified Worldwide Locations	EDI-Hot Cargo Pad .....	29,000	29,000
Air Force	Unspecified Worldwide Locations	EDI-MUNITIONS STORAGE AREA .....	39,000	39,000
Air Force	Unspecified Worldwide Locations	EDI-ECAOS DABS/FEV EMEDS Storage .....	107,000	107,000
Air Force	Various Worldwide Locations	EDI-P&D .....	61,438	61,438
Air Force	Various Worldwide Locations	EDI-UMMC .....	12,800	12,800
<b>SUBTOTAL AIR FORCE .....</b>			<b>314,738</b>	<b>1,840,438</b>
<b>DEFENSE-WIDE</b>				
	Germany			

**SEC. 4602. MILITARY CONSTRUCTION FOR OVERSEAS CONTINGENCY OPERATIONS**  
(In Thousands of Dollars)

Account	State or Country and Installation	Project Title	FY 2020 Request	Senate Authorized
Defense-Wide	Gemersheim North Carolina	EDI: Logistics Distribution Center Annex .....	46,000	46,000
Defense-Wide	Camp Lejeune	Ambulatory Care Center (Camp Geiger) .....	0	17,821
Defense-Wide	Camp Lejeune	Ambulatory Care Center (Camp Johnson) .....	0	27,492
Defense-Wide	Camp Lejeune	Replace MARSOC ITC Team Facility .....	0	30,000
	Worldwide Unspecified			
Defense-Wide	Unspecified Worldwide Locations	2808 Replenishment Fund .....	0	3,600,000
<b>SUBTOTAL DEFENSE-WIDE .....</b>			<b>46,000</b>	<b>3,721,313</b>
<b>ARMY NATIONAL GUARD</b>				
	Florida			
Army National Guard	Panama City North Carolina	National Guard Readiness Center .....	0	25,000
Army National Guard	MTA Fort Fisher	Administrative Building, General Purpose .....	0	25,000
<b>SUBTOTAL ARMY NATIONAL GUARD .....</b>				<b>50,000</b>
<b>TOTAL MILITARY CONSTRUCTION .....</b>			<b>9,844,526</b>	<b>6,783,187</b>
<b>TOTAL MILITARY CONSTRUCTION, FAMILY HOUSING, AND BRAC .....</b>			<b>9,844,526</b>	<b>6,783,187</b>

1 **TITLE XLVII—DEPARTMENT OF**  
2 **ENERGY NATIONAL SECURITY**  
3 **PROGRAMS**

4 **SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY**  
5 **PROGRAMS.**

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2020 Request	Senate Authorized
<b>Discretionary Summary by Appropriation</b>		
<b>Energy and Water Development and Related Agencies</b>		
<b>Appropriation Summary:</b>		
<b>Energy Programs</b>		
Nuclear energy .....	137,808	137,808
<b>Atomic Energy Defense Activities</b>		
<b>National nuclear security administration:</b>		
Federal Salaries and Expenses .....	434,699	422,999
Weapons activities .....	12,408,603	12,478,403
Defense nuclear nonproliferation .....	1,993,302	1,964,202
Naval reactors .....	1,648,396	1,648,396
<b>Total, National nuclear security administration .....</b>	<b>16,485,000</b>	<b>16,514,000</b>
<b>Environmental and other defense activities:</b>		
Defense environmental cleanup .....	5,506,501	5,506,501
Other defense activities .....	1,035,339	1,032,339
Defense nuclear waste disposal (90M in 270 Energy) .....	26,000	0
<b>Total, Environmental &amp; other defense activities .....</b>	<b>6,567,840</b>	<b>6,538,840</b>
<b>Total, Atomic Energy Defense Activities .....</b>	<b>23,052,840</b>	<b>23,052,840</b>
<b>Total, Discretionary Funding .....</b>	<b>23,190,648</b>	<b>23,190,648</b>
<b>Nuclear Energy</b>		
Idaho site-wide safeguards and security .....	137,808	137,808
<b>Total, Nuclear Energy .....</b>	<b>137,808</b>	<b>137,808</b>
<b>Federal Salaries and Expenses</b>		

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2020 Request	Senate Authorized
Program direction .....	434,699	422,999
Alignment with FTEs authorized .....		[-11,700]
<b>Weapons Activities</b>		
<b>Directed stockpile work</b>		
<b>Life extension programs and major alterations</b>		
B61 Life extension program .....	792,611	792,611
W76 Life extension program .....	0	0
W76-2 Modification program .....	10,000	10,000
W88 Alteration program .....	304,186	304,186
W80-4 Life extension program .....	898,551	898,551
IW1 .....	0	0
W87-1 Modification Program (formerly IW1) .....	112,011	112,011
<b>Total, Life extension programs and major alterations .....</b>	<b>2,117,359</b>	<b>2,117,359</b>
<b>Stockpile systems</b>		
B61 Stockpile systems .....	71,232	71,232
W76 Stockpile systems .....	89,804	89,804
W78 Stockpile systems .....	81,299	81,299
W80 Stockpile systems .....	85,811	85,811
B83 Stockpile systems .....	51,543	51,543
W87 Stockpile systems .....	98,262	98,262
W88 Stockpile systems .....	157,815	157,815
<b>Total, Stockpile systems .....</b>	<b>635,766</b>	<b>635,766</b>
<b>Weapons dismantlement and disposition</b>		
Operations and maintenance .....	47,500	47,500
<b>Stockpile services</b>		
Production support .....	543,964	543,964
Research and development support .....	39,339	40,339
UFR list—technology maturation .....		[1,000]
R&D certification and safety .....	236,235	246,235
UFR list—technology maturation .....		[10,000]
Management, technology, and production .....	305,000	305,000
<b>Total, Stockpile services .....</b>	<b>1,124,538</b>	<b>1,135,538</b>
<b>Strategic materials</b>		
Uranium sustainment .....	94,146	94,146
Plutonium sustainment .....	0	0
<b>Plutonium sustainment:</b>		
Plutonium sustainment .....	691,284	691,284
Plutonium pit production project .....	21,156	21,156
<b>Total, Plutonium sustainment: .....</b>	<b>712,440</b>	<b>712,440</b>
Tritium sustainment .....	269,000	269,000
Domestic uranium enrichment .....	140,000	140,000
Lithium sustainment .....	28,800	28,800
Strategic materials sustainment .....	256,808	256,808
<b>Total, Strategic materials .....</b>	<b>1,501,194</b>	<b>1,501,194</b>
<b>Total, Directed stockpile work .....</b>	<b>5,426,357</b>	<b>5,437,357</b>
<b>Research, development, test, and evaluation (RDT&amp;E)</b>		
<b>Science</b>		
Advanced certification .....	57,710	57,710
Primary assessment technologies .....	95,169	95,169
Dynamic materials properties .....	133,800	133,800
Advanced radiography .....	32,544	32,544
Secondary assessment technologies .....	77,553	77,553
Academic alliances and partnerships .....	44,625	44,625
Enhanced Capabilities for Subcritical Experiments .....	145,160	145,160
<b>Total, Science .....</b>	<b>586,561</b>	<b>586,561</b>
<b>Engineering</b>		
Enhanced surety .....	46,500	54,500
UFR list—technology maturation .....		[8,000]
Weapon systems engineering assessment technology .....	0	0
Delivery environments (formerly Weapon systems engineering assessment technology) .....	35,945	35,945

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2020 Request	Senate Authorized
Nuclear survivability .....	53,932	53,932
Enhanced surveillance .....	57,747	57,747
Stockpile Responsiveness .....	39,830	80,630
Program expansion .....		[40,800]
<b>Total, Engineering</b> .....	<b>233,954</b>	<b>282,754</b>
 <b>Inertial confinement fusion ignition and high yield</b>		
Ignition and other stockpile programs .....	55,649	55,649
Ignition .....	0	0
Support of other stockpile programs .....	0	0
Diagnostics, cryogenics and experimental support .....	66,128	66,128
Pulsed power inertial confinement fusion .....	8,571	8,571
Joint program in high energy density laboratory plasmas .....	12,000	12,000
Facility operations and target production .....	338,247	338,247
<b>Total, Inertial confinement fusion and high yield</b> .....	<b>480,595</b>	<b>480,595</b>
 <b>Advanced simulation and computing</b>		
Advanced simulation and computing .....	789,849	789,849
<b>Construction:</b>		
18-D-670, Exascale Class Computer Cooling Equipment, LANL .....	0	0
18-D-620, Exascale Computing Facility Modernization Project, LLNL .....	50,000	50,000
<b>Total, Construction</b> .....	<b>50,000</b>	<b>50,000</b>
<b>Total, Advanced simulation and computing</b> .....	<b>839,849</b>	<b>839,849</b>
 <b>Advanced manufacturing development</b>		
Additive manufacturing .....	18,500	18,500
Component manufacturing development .....	48,410	58,410
UFR list—technology maturation .....		[10,000]
Process technology development .....	69,998	69,998
<b>Total, Advanced manufacturing development</b> .....	<b>136,908</b>	<b>146,908</b>
<b>Total, RDT&amp;E</b> .....	<b>2,277,867</b>	<b>2,336,667</b>
 <b>Infrastructure and operations</b>		
<b>Operating</b>		
<b>Operations of facilities</b>		
Operations of facilities .....	905,000	905,000
Safety and environmental operations .....	119,000	119,000
Maintenance and repair of facilities .....	456,000	456,000
<b>Recapitalization</b>		
Infrastructure and safety .....	447,657	447,657
Capability based investments .....	135,341	135,341
<b>Total, Recapitalization</b> .....	<b>582,998</b>	<b>582,998</b>
<b>Total, Operating</b> .....	<b>2,062,998</b>	<b>2,062,998</b>
 <b>Construction:</b>		
19-D-670, 138kV Power Transmission System Replacement, NNSS .....	6,000	6,000
18-D-660, Fire Station, Y-12 .....	0	0
18-D-650, Tritium Production Capability, SRS .....	27,000	27,000
18-D-680, Materials staging facility, PX .....	0	0
18-D-690, Lithium production capability, Y-12 .....	0	0
18-D-690, Lithium processing facility, Y-12 (formerly Lithium production capability) .....	32,000	32,000
17-D-640, U1a Complex Enhancements Project, NNSS .....	35,000	35,000
17-D-630, Expand Electrical Distribution System, LLNL .....	0	0
16-D-515, Albuquerque complex project .....	0	0
15-D-613, Emergency Operations Center, Y-12 .....	0	0
15-D-612, Emergency Operations Center, LLNL .....	5,000	5,000
15-D-611, Emergency Operations Center, SNL .....	4,000	4,000
15-D-301 HE Science & Engineering Facility, PX .....	123,000	123,000
07-D-220, Radioactive liquid waste treatment facility upgrade project, LANL .....	0	0
07-D-220-04, Transuranic liquid waste facility, LANL .....	0	0
06-D-141, Uranium processing facility Y-12, Oak Ridge, TN .....	745,000	745,000

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2020 Request	Senate Authorized
<b>Chemistry and metallurgy research replacement (CMRR)</b>		
04-D-125, Chemistry and metallurgy research replacement project, LANL .....	168,444	168,444
04-D-125-04, RLUOB equipment installation .....	0	0
04-D-125-05, PF -4 equipment installation .....	0	0
<b>Total, Chemistry and metallurgy research replacement (CMRR) .....</b>	<b>168,444</b>	<b>168,444</b>
<b>Total, Construction .....</b>	<b>1,145,444</b>	<b>1,145,444</b>
<b>Total, Infrastructure and operations .....</b>	<b>3,208,442</b>	<b>3,208,442</b>
<b>Secure transportation asset</b>		
Operations and equipment .....	209,502	209,502
Program direction .....	107,660	107,660
<b>Total, Secure transportation asset .....</b>	<b>317,162</b>	<b>317,162</b>
Defense nuclear security .....		0
Operations and maintenance .....	778,213	778,213
Security improvements program .....	0	0
Construction: .....		0
17-D-710, West end protected area reduction project, Y-12 .....	0	0
<b>Total, Defense nuclear security .....</b>	<b>778,213</b>	<b>778,213</b>
Information technology and cybersecurity .....	309,362	309,362
Legacy contractor pensions .....	91,200	91,200
<b>Subtotal, Weapons activities .....</b>	<b>12,408,603</b>	<b>12,478,403</b>
<b>Adjustments</b>		
Use of prior year balances .....	0	0
<b>Total, Adjustments .....</b>	<b>0</b>	<b>0</b>
<b>Total, Weapons Activities .....</b>	<b>12,408,603</b>	<b>12,478,403</b>
<b>Defense Nuclear Nonproliferation</b>		
<b>Defense Nuclear Nonproliferation Programs</b>		
<b>Material management and minimization</b>		
HEU reactor conversion .....	114,000	114,000
Nuclear material removal .....	32,925	32,925
Material disposition .....	186,608	186,608
Laboratory and partnership support .....	0	0
<b>Total, Material management &amp; minimization .....</b>	<b>333,533</b>	<b>333,533</b>
<b>Global material security</b>		
International nuclear security .....	48,839	48,839
Domestic radiological security .....	90,513	90,513
International radiological security .....	60,827	60,827
Nuclear smuggling detection and deterrence .....	142,171	142,171
<b>Total, Global material security .....</b>	<b>342,350</b>	<b>342,350</b>
Nonproliferation and arms control .....	137,267	137,267
<b>Defense nuclear nonproliferation R&amp;D</b>		
Proliferation detection .....	304,040	284,540
Nonproliferation Stewardship program strategic plan .....		[-19,500]
Nuclear detonation detection .....	191,317	191,317
Nonproliferation fuels development .....	0	0
<b>Total, Defense Nuclear Nonproliferation R&amp;D .....</b>	<b>495,357</b>	<b>475,857</b>
<b>Nonproliferation construction</b>		
<b>U. S. Construction:</b>		
18-D-150 Surplus Plutonium Disposition Project .....	79,000	79,000
99-D-143, Mixed Oxide (MOX) Fuel Fabrication Facility, SRS .....	220,000	220,000
<b>Total, U. S. Construction: .....</b>	<b>299,000</b>	<b>299,000</b>
<b>Total, Nonproliferation construction .....</b>	<b>299,000</b>	<b>299,000</b>
<b>Total, Defense Nuclear Nonproliferation Programs .....</b>	<b>1,607,507</b>	<b>1,588,007</b>
Legacy contractor pensions .....	13,700	13,700
<b>Nuclear counterterrorism and incident response program</b>		
Nuclear counterterrorism and incident response .....	0	0
Emergency Operations .....	35,545	25,945

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2020 Request	Senate Authorized
Non-defense function realignment .....		[-9,600]
Counterterrorism and Counterproliferation .....	336,550	336,550
<b>Total, Nuclear counterterrorism and incident response</b>		
program .....	372,095	362,495
<b>Subtotal, Defense Nuclear Nonproliferation</b> .....	<b>1,993,302</b>	<b>1,964,202</b>
<b>Adjustments</b>		
Use of prior year balances .....	0	0
<b>Total, Adjustments</b> .....	<b>0</b>	<b>0</b>
<b>Subtotal, Defense Nuclear Nonproliferation</b> .....	<b>1,993,302</b>	<b>1,964,202</b>
<b>Rescission</b>		
Rescission of prior year balances .....	0	0
Rescission of prior year balances (Gen. Prov.) .....	0	0
<b>Total, Defense Nuclear Nonproliferation</b> .....	<b>1,993,302</b>	<b>1,964,202</b>
<b>Naval Reactors</b>		
Naval reactors development .....	531,205	531,205
Columbia-Class reactor systems development .....	75,500	75,500
S8G Prototype refueling .....	155,000	155,000
Naval reactors operations and infrastructure .....	553,591	553,591
Program direction .....	50,500	50,500
<b>Construction:</b>		
20-D-931, KL Fuel development laboratory .....	23,700	23,700
19-D-930, KS Overhead Piping .....	20,900	20,900
17-D-911, BL Fire System Upgrade .....	0	0
15-D-904, NRF Overpack Storage Expansion 3 .....	0	0
15-D-903, KL Fire System Upgrade .....	0	0
14-D-901, Spent fuel handling recapitalization project, NRF .....	238,000	238,000
<b>Total, Construction</b> .....	<b>282,600</b>	<b>282,600</b>
Transfer to NE—Advanced Test Reactor (non-add) .....	(0)	(0)
<b>Total, Naval Reactors</b> .....	<b>1,648,396</b>	<b>1,648,396</b>
<b>Defense Environmental Cleanup</b>		
<b>Closure sites:</b>		
Closure sites administration .....	4,987	4,987
<b>Richland:</b>		
<b>River corridor and other cleanup operations:</b>		
River corridor and other cleanup operations .....	139,750	139,750
<b>Central plateau remediation:</b>		
Central plateau remediation .....	472,949	472,949
<b>Total, Central plateau remediation</b> .....	<b>472,949</b>	<b>472,949</b>
Richland community and regulatory support .....	5,121	5,121
<b>Construction:</b>		
18-D-404 WESF Modifications and Capsule Storage .....	11,000	11,000
<b>Total, Construction</b> .....	<b>11,000</b>	<b>11,000</b>
<b>Total, Richland</b> .....	<b>628,820</b>	<b>628,820</b>
<b>Office of River Protection:</b>		
Waste Treatment Immobilization Plant Commissioning .....	15,000	15,000
Rad liquid tank waste stabilization and disposition .....	677,460	677,460
<b>Construction:</b>		
18-D-16 Waste treatment and immobilization plant -LBI/Di- rect feed LAW .....	640,000	640,000
15-D-409 Low activity waste pretreatment system, ORP .....	0	0
01-D-16 D, High-level waste facility .....	30,000	30,000
01-D-16 E, Pretreatment Facility .....	20,000	20,000
<b>Total, Construction</b> .....	<b>690,000</b>	<b>690,000</b>
ORP Low-level waste offsite disposal .....	10,000	10,000
<b>Total, Office of River protection</b> .....	<b>1,392,460</b>	<b>1,392,460</b>
<b>Idaho National Laboratory:</b>		
Idaho cleanup and waste disposition .....	331,354	331,354
ID Excess facilities R&D .....	0	0
Idaho community and regulatory support .....	3,500	3,500
<b>Total, Idaho National Laboratory</b> .....	<b>334,854</b>	<b>334,854</b>

**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2020 Request	Senate Authorized
<b>NNSA sites and Nevada off-sites</b>		
Lawrence Livermore National Laboratory .....	1,727	1,727
LLNL Excess facilities R&D .....	128,000	128,000
Nuclear facility D & D Separations Process Research Unit .....	15,300	15,300
Nevada .....	60,737	60,737
Sandia National Laboratories .....	2,652	2,652
Los Alamos National Laboratory .....	195,462	195,462
<b>Total, NNSA sites and Nevada off-sites .....</b>	<b>403,878</b>	<b>403,878</b>
<b>Oak Ridge Reservation:</b>		
OR Nuclear facility D & D .....	93,693	93,693
OR Excess facilities R&D .....	0	0
U233 Disposition Program .....	45,000	45,000
<b>OR cleanup and waste disposition</b>		
OR cleanup and waste disposition .....	82,000	82,000
<b>Subtotal, OR cleanup and waste disposition .....</b>	<b>82,000</b>	<b>82,000</b>
<b>Construction:</b>		
17-D-401 On-site waste disposal facility .....	15,269	15,269
14-D-403 Outfall 200 Mercury Treatment Facility .....	49,000	49,000
<b>Total, Construction .....</b>	<b>64,269</b>	<b>64,269</b>
<b>Total, OR cleanup and waste disposition .....</b>	<b>146,269</b>	<b>146,269</b>
OR community & regulatory support .....	4,819	4,819
OR technology development and deployment .....	3,000	3,000
<b>Total, Oak Ridge Reservation .....</b>	<b>292,781</b>	<b>292,781</b>
<b>Savannah River Sites:</b>		
<b>Savannah River risk management operations:</b>		
Savannah River risk management operations .....	490,613	490,613
<b>Construction:</b>		
18-D-402, Emergency Operations Center Replacement, SR .....	6,792	6,792
<b>Total, Savannah River risk management operations .....</b>	<b>497,405</b>	<b>497,405</b>
SR community and regulatory support .....	4,749	4,749
<b>Radioactive liquid tank waste:</b>		
Radioactive liquid tank waste stabilization and disposition .....	797,706	797,706
<b>Construction:</b>		
20-D-402 Advanced Manufacturing Collaborative Facility (AMC) .....	50,000	50,000
20-D-401 Saltstone Disposal Unit #10, 11, 12 .....	500	500
19-D-701 SR Security system replacement .....	0	0
18-D-402, Saltstone disposal unit #8/9 .....	51,750	51,750
17-D-402—Saltstone Disposal Unit #7 .....	40,034	40,034
05-D-405 Salt waste processing facility, SRS .....	20,988	20,988
<b>Total, Construction .....</b>	<b>163,272</b>	<b>163,272</b>
<b>Total, Radioactive liquid tank waste .....</b>	<b>960,978</b>	<b>960,978</b>
<b>Total, Savannah River Site .....</b>	<b>1,463,132</b>	<b>1,463,132</b>
<b>Waste Isolation Pilot Plant</b>		
Waste Isolation Pilot Plant .....	299,088	299,088
<b>Construction:</b>		
15-D-411 Safety significant confinement ventilation system, WIPP .....	58,054	58,054
15-D-412 Exhaust shaft, WIPP .....	34,500	34,500
<b>Total, Construction .....</b>	<b>92,554</b>	<b>92,554</b>
<b>Total, Waste Isolation Pilot Plant .....</b>	<b>391,642</b>	<b>391,642</b>
Program direction .....	278,908	278,908
Program support .....	12,979	12,979
Safeguards and Security .....	317,622	317,622
Technology development .....	0	0
Use of prior year balances .....	0	0
<b>Subtotal, Defense environmental cleanup .....</b>	<b>5,522,063</b>	<b>5,522,063</b>
<b>Rescission:</b>		
Rescission of prior year balances .....	-15,562	-15,562
Rescission of prior year balances (Gen. Prov.) .....	0	0
<b>Total, Defense Environmental Cleanup .....</b>	<b>5,506,501</b>	<b>5,506,501</b>

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**SEC. 4701. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

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Program	FY 2020 Request	Senate Authorized
<b>Other Defense Activities</b>		
<b>Environment, health, safety and security</b>		
Environment, health, safety and security .....	139,628	139,628
Program direction .....	72,881	72,881
<b>Total, Environment, Health, safety and security .....</b>	<b>212,509</b>	<b>212,509</b>
<b>Independent enterprise assessments</b>		
Independent enterprise assessments .....	24,068	24,068
Program direction .....	57,211	54,211
Non-defense function realignment .....		[-3,000]
<b>Total, Independent enterprise assessments .....</b>	<b>81,279</b>	<b>78,279</b>
Specialized security activities .....	254,578	254,578
<b>Office of Legacy Management</b>		
Legacy management .....	283,767	283,767
Program direction .....	19,262	19,262
<b>Total, Office of Legacy Management .....</b>	<b>303,029</b>	<b>303,029</b>
<b>Defense related administrative support</b>		
Chief financial officer .....	54,538	54,538
Chief information officer .....	124,554	124,554
<b>Total, Defense related administrative support .....</b>	<b>179,092</b>	<b>179,092</b>
Office of hearings and appeals .....	4,852	4,852
<b>Subtotal, Other defense activities .....</b>	<b>1,035,339</b>	<b>1,032,339</b>
Use of prior year balances (HA) .....	0	0
<b>Total, Other Defense Activities .....</b>	<b>1,035,339</b>	<b>1,032,339</b>
<b>Defense Nuclear Waste Disposal</b>		
Yucca mountain and interim storage .....	26,000	0
<b>Total, Defense Nuclear Waste .....</b>	<b>26,000</b>	<b>0</b>

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**Calendar No. 114**

116<sup>TH</sup> CONGRESS  
1<sup>ST</sup> Session

**S. 1790**

[Report No. 116-48]

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**A BILL**

To authorize appropriations for fiscal year 2020 for military activities of the Department of Defense, for military construction, and for defense activities of the Department of Energy, to prescribe military personnel strengths for such fiscal year, and for other purposes.

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JUNE 11, 2019

Read twice and placed on the calendar